

**Rebuttal Testimony of Harold J. Smith
Docket No. 3578**

1 **I. INTRODUCTION**

2 **Q. Mr. Woodcock states on page 5, beginning at line 24, that Newport has ignored**
3 **the Commission's Rules of Practice and Procedure by failing to disclose how the**
4 **rate year amounts were calculated and by failing to explain the adjustments to the**
5 **test year in written testimony. Do you agree with his position?**

6 A. No, I do not. I believe that Newport Water did comply with the Commission's Rules
7 of Practice and Procedure. We certainly did give work papers that supported our
8 calculations, and Ms. Forgue and myself provided testimony containing explanations
9 with regard to the adjustments. While Mr. Woodcock may not agree with our calculations
10 and explanations, they were provided.

11 **II. REVENUE REQUIREMENTS**

12 **Q. Have you had an opportunity to review the testimony submitted by Mr.**
13 **Woodcock and Mr. Catlin with regard to Newport's requested revenues?**

14 A. Yes. I have

15 **Q. Are there portions of the testimonies submitted by Mr. Woodcock and Mr. Catlin**
16 **that you agree with?**

17 A. Yes, there are a few points brought up in both testimonies that I acknowledge should
18 be reviewed and considered for revision in Newport's rate filing.

19 **Q. Would you please explain in general terms what those points are?**

20 Certainly, a majority of the issues that have been brought up in both testimonies relate to
21 the model used to calculate rates in the rate filing. The points that I agree should be
22 reviewed and modified from Messrs. Catlin and Woodcock's testimony, with respect to
23 the revenue requirement, involve fire service revenues, miscellaneous revenue and capital
24 items identified as one-time expenses.

25 **Q. Of the points brought up in these testimonies, are there any that you have agreed**
26 **with prior to reviewing their rebuttal testimony?**

1 A. Yes, some of the points raised were addressed in Newport's responses to data
2 requests, and I will happy to address these particular areas.

3 **Q. Have you already agreed with Mrs. Catlin and Woodcock with respect to their**
4 **adjustment of \$85,000 in customer service revenue?**

5 A. Yes. On page 8 of Mr. Catlin's testimony and pages 7 and 14 of Mr. Woodcock's
6 testimony, \$85,000 in revenue from customer service is noted as revenue that should be
7 identified as an offset to revenue requirements and allocated proportionally to the
8 customer costs and meters and services cost categories. This oversight has been
9 identified and agreed to in the response to Div. 2-1 and is included on Revised Schedule
10 RFC 2, attached hereto.

11 **Q. Have you already agreed with Mr. Woodcock's suggestion that the Debt Service**
12 **Allowance should be reduced?**

13 A. Yes. On page 13 of Mr. Woodcock's testimony, he notes that debt service from FY
14 2003 was used to calculate an average debt service to be funded through rates and the
15 debt service restricted account for the planning period. As of the date of the initial filing
16 FY 2003 had been completed, and I agree with Mr. Woodcock's statement that it should
17 not be included in calculating the average debt service. The removal of the debt service
18 shown for FY 2003 would reduce the average debt service by approximately \$90,000.
19 This oversight has been noted and Newport Water agreed to this point in its response to
20 PWFD 1-23. This change is shown on Revised Schedule RFC 11.

21 **Q. Are their other common issues raised in Messers. Catlin's and Woodcock's**
22 **respective testimonies that you agree with?**

23 A. Yes, there are a few points that both Mr. Catlin and Mr. Woodcock address that I
24 agree need to be considered for revision. However, I do not necessarily agree with the
25 revisions that Mr. Catlin and Mr. Woodcock propose.

26 **Q. Is Rate Case Expense the first of these points?**

27 A. Yes. On page 10 of each of their testimonies, Mr. Catlin and Mr. Woodcock both
28 expressed concern over the inclusion of costs related to the rate case as a recurring
29 expense under line item 225, Consultant Fees. I agree that this is not necessarily a

1 recurring expense and should not be treated as such in the model. Therefore, we agree
2 with the assessment of Mr. Catlin that the cost should be recovered over a period of two
3 years as a one time cost and adjusted at the conclusion of the proceedings to reflect the
4 actual cost. I do not, however, agree with Mr. Woodcock's suggestion that the requested
5 funding for rate case expenses be reduced by \$150,000. It seems to make more sense to
6 adopt Mr. Catlin's suggestion that the actual expenses be determined at the end of this
7 case, rather than arbitrarily reducing this expense by \$150,000. Further, Newport's
8 recovery of its actual expenses should not be spread over four years as suggested by Mr.
9 Woodcock, but rather two years as proposed by Mr. Catlin. For the purposes of
10 calculating rates, we have assumed that the rate year expenses associated with this rate
11 case will be \$100,000. As mentioned previously, this amount should be adjusted at the
12 conclusion of the case. The revised treatment of Consultant Fees is shown on Revised
13 Schedule RFC 1.

14

15 Despite Mr. Woodcock's protestations, preparation for this rate filing has been an
16 extremely complicated process that required a considerable amount of effort to rectify
17 problems that were the result of less than stellar performance by previous utility
18 management and city administrators. This is not to say that anticipated future rate filings
19 will require the same level of effort. The progress made during the preparation of this
20 rate filing should make future filings easier and less costly. Further, as Mr. Woodcock
21 knows, and as Mr. Catlin's testimony acknowledges, Newport must pay for the
22 Division's costs as well as its own.

23 **Q. Are you in agreement with their suggestion regarding Sewer (Wastewater)**
24 **Charges?**

25 A. Yes. Mr. Woodcock and Mr. Catlin both note on p. 13 and p. 17 of their respective
26 testimonies that the sewer use charge should not be included as an expense to be
27 recovered in this rate case. Since Newport anticipates that the sewer use charge will not
28 be in place until the end of 2005 as was noted in the response to DIV 3-12, it is
29 reasonable to exclude this amount for the rate year. This revision which results in a
30 \$104,000 decrease in rate year expenses is shown on Revised Schedule RFC 1-A.

1 **Q. Do you agree with Messrs. Catlin and Woodcock that certain expenses classified**
2 **as O&M expenses should be charged to the restricted Capital Account?**

3 A. Yes I do. As both Mr. Catlin and Mr. Woodcock noted, Schedule RFC-1A
4 characterized three capital projects that are actually one-time expenses, as recurring
5 O&M expenses. Specifically, these projects, the amounts, and the page of each
6 testimony are:

- 7 1. Depth Survey, \$50,000, Mr. Catlin: p. 18, Mr. Woodcock p. 12
- 8 2. Vulnerability Assessment, \$85,000, Mr. Catlin, p. 18, Mr. Woodcock p.
9 12
- 10 3. Distribution line item 275 in the amount of \$60,000, Mr. Catlin p. 18, Mr.
11 Woodcock p. 13

12 I agree that non-recurring capital expenses should be characterized as such. This is the
13 case with the Reservoir Road Tank study. However, the cost for this study is anticipated
14 to be approximately \$40,000, not the \$58,000 amount that Mr. Catlin refers to in his
15 testimony. The remainder of the requested funding under this line item is for
16 maintenance activities at the distribution garage and the Halsey Street building. As such,
17 the \$40,000 amount for the Reservoir Road tank study has been reclassified as a capital
18 cost in the revised cost allocation model, while the remaining \$20,000 has been left as an
19 O&M expense.

20

21 With respect to the \$50,000 requested for the depth survey and the \$85,000 for
22 Regulatory Expenses, I agree these expenses should be classified as capital. The \$50,000
23 amount represents costs for the initial phase of an ongoing maintenance project that will
24 allow Newport to have a more accurate estimate of its raw water reservoirs' storage
25 capacity. During the summer drought in 2002, Newport experienced unexpected raw
26 water shortages because the existing data relating to the storage capacity of its reservoirs
27 was out of date. Over the course of the next two years, Newport anticipates incurring
28 approximately \$50,000 per year to perform depth surveys on all of its nine reservoirs.
29 Therefore, this cost should be classified and allocated as a capital expense in the rate

1 year. Additionally, \$50,000 has been added to the capital plan in the following year for
2 depth surveys at the remaining reservoirs.

3 As for the \$85,000 for Regulatory Expenses, it is my understanding that this represents
4 the amount that Newport must spend to comply with various requirements imposed by
5 the Bioterrorism Act of 2002. It is true that in the rate year, the majority of these costs
6 are associated with a vulnerability assessment that Newport is required to perform. As
7 Mr. Woodcock states in his testimony the City has awarded the contract for this
8 assessment for \$34,000. However, I disagree with including only this amount as the
9 capital cost. In Revised Schedule RFC 11 we have included the full amount of \$85,000
10 for the rate year to allow for the funding of projects that may be required as a result of the
11 assessment. As a result, while I do agree with Mr. Woodcock that Regulatory Expense
12 should be classified as a capital project I do not agree with reduction in the project cost.
13

14 **Q. Do you agree that the restricted Capital Account is currently overfunded such**
15 **that additional restricted fund contributions for these three projects are not**
16 **necessary?**

17 A. No, I do not agree. While there is a sufficient amount in the restricted Capital
18 Account to fund projects for the rate year, we have analyzed how the Capital Account
19 will also fund projects in the future, specifically through FY 2008. As shown in Revised
20 Schedule RFC 12, the Capital Account will be required to fund projects beyond the rate
21 year. Therefore, the Account will need to be funded through rates in order to accomplish
22 this and maintain a positive balance from year to year. We have calculated an average
23 cost per year based on the project costs to be funded through non-debt funding sources in
24 the CIP. Coupled with a consistent offset from the restricted Capital Account, we have
25 estimated the contribution from rates each year that will be required to maintain a
26 positive balance. This will allow Newport to continue funding these projects without
27 requesting a rate increase from the PUC for this particular issue. With the addition of
28 these three projects the average cost of the CIP projects have increased by approximately
29 \$40,000. Therefore the funding through rates will need to be adjusted upward an equal
30 amount.

1 **Q. Were there were other issues related to revenue requirements that were raised by**
2 **both Mr. Woodcock and Mr. Catlin?**

3 A. Yes, Mr. Woodcock, on pages 12 and 13 of his testimony, and Mr. Catlin, on page 11
4 and 12 of his testimony, both suggest that the costs for the Consumer Confidence Report
5 and other required reporting are overstated and should be decreased. Mr. Woodcock
6 recommends a decrease of \$13,000 while Mr. Catlin recommends a decrease of \$15,330

7 **Q. Do you agree with this recommendation?**

8 A. Yes, to a certain extent I do. After careful review of the rate year costs for account
9 numbers 225 and 238, it is apparent that the amounts requested for the rate year are
10 indeed overstated but not in the amounts identified by Mr. Catlin or Mr. Woodcock. To
11 correct this overstatement we are reducing the amount requested for account 225 by
12 \$3,000 and the amount requested for account 238 by \$5,700 for a total downward
13 adjustment of \$8,700. This revision is reflected on Revised Schedules RFC 1 and 1-A.

14 **Q. Were there were some issues raised by Mr. Catlin in his testimony alone, that**
15 **were not addressed in Mr. Woodcock's?**

16 A. Yes, there were, and I would be happy to address them.

17 **Q: Mr. Catlin states on page 5 of his testimony that Newport failed to provide a**
18 **summary that compares revenues at existing rates to its claimed expenses. Is this**
19 **true?**

20 A: No, Schedule RFC 6 shows how revenues generated under existing rates and under
21 proposed rates compare to projected revenue requirements. However, RFC 6 presents
22 this information in a different format from that used by Mr. Catlin. In an effort to clarify
23 the relationship between revenues and expenses under both existing and proposed rates,
24 we have prepared Revised Schedule RFC 6-A which presents this information in the
25 format used by Mr. Catlin in his testimony.

26 **Q. Mr. Catlin suggests that Newport's Fire Service Revenue should be increased by**
27 **\$21,995. Do you agree?**

1 A. Yes, I do agree with this increase. As Mr. Catlin states in his testimony, the reason
2 for the understatement of revenues in Schedule RFC 8-A in the initial rate filing, is that
3 the original model used the number of public and private fire connections as of June 11,
4 2002 for private fire connections and August 2002 for public fire connections. However,
5 the analysis performed by Mr. Catlin uses more recent data. The data utilized by Mr.
6 Catlin was not available at the time of the initial filing but I do agree that the most recent
7 data should be used. Revised Schedule RFC 8A, has been updated to include the most
8 current data pertaining to fire service connections

9 **Q. On page 8 of his testimony, Mr. Catlin also suggests an increase in interest**
10 **income in the amount of \$18,000. Do you agree with this adjustment?**

11 A. Yes, interest income in the rate year should be consistent with the amount earned in
12 FY03. Therefore, as shown on Revised Schedule RFC-2, the amount of anticipated
13 interest income for the rate year has been increased by \$18,000. However, it should be
14 noted that as the excess funds in the restricted accounts are expended to offset capital
15 costs, the interest income will decrease as the balances in these accounts decrease.

16 **Q. On pages 9 and 10 of his testimony Mr. Catlin, suggests a decrease in Employee**
17 **Benefits Expenses in the amount to \$96,178. Do you agree with this adjustment?**

18 A. No, I do not. As Ms. Forgue explains in her testimony, the amount requested for
19 Employee Benefits is reasonable and no adjustment should be made. To do so would
20 jeopardize Newport Water's ability to meet its employee benefits obligations. Cross-
21 check

22 **Q. With respect to Newport's claim for electricity costs, Mr. Catlin, on pages 13 and**
23 **14 of his testimony, suggests a decrease in the rate year electricity expense in the**
24 **amount of \$69,287. Do you agree with this adjustment?**

25 A. I do not agree with this adjustment. The amount for electricity expense should not be
26 adjusted from the \$379,000 in the Newport budget. As shown in Newport Water
27 Schedule 1, Newport reports its electricity costs to date for FY 2004 and annualizes it
28 resulting in a total of \$371,000. The additional \$8,000 is required as a contingency in
29 anticipation of pumping costs associated with the Mainland Reservoirs.

1 **Q. Mr. Catlin has suggested a \$93,989 adjustment to Chemical Costs. Do you agree**
2 **with this adjustment.**

3 A. I agree that there should be an adjustment, but in an amount that is less than the
4 \$93,989 suggested by Mr. Catlin. As shown in Newport Water Schedule 2, there should
5 be a downward adjustment in FY 2004 for Station #1 of \$25,405 and a downward
6 adjustment for Lawton Valley of \$33,725 for a total adjustment of \$59,130. These costs
7 are based on actual costs incurred in FY 2004 to date, annualized.

8 **Q. On page 17 of his testimony, Mr. Catlin has adjusted Conference and Training**
9 **expenses in the amount of \$8,645. Do you agree with his adjustment?**

10 A. No, I do not. As Ms. Forgue explains in her rebuttal testimony, it is important to
11 provide Newport Water's employees with adequate opportunities for professional
12 development. I know from personal experience that attendance at industry conferences
13 exposes employees to the latest in technology and operating and management practices.
14 These new technologies and practices can then be applied in the work place to make the
15 utility more efficient. In order to provide the funding for these training opportunities, we
16 have left the amount requested for Conferences and Training at the original amount of
17 \$12,000.

18 **Q. On page 18 of his testimony, Mr. Catlin suggests an adjustment of \$6,743 for**
19 **Telephone and Communications. What is your position on this adjustment?**

20 A. I do not agree with this adjustment. First, it must be pointed out that the response to
21 Div. 1-31 was erroneous in that it only included the costs associated with 3 Nextel cell
22 phones when in fact Newport Water actually has 5 Nextel phones in service. Instead of
23 the amount of \$8,256.72 that was provided in the response to Div. 1-31 and used in Mr.
24 Catlin's analysis, the actual current costs for Telephones and Communications is
25 \$9,216.72. In addition to maintaining the current level of telephone service, Newport
26 needs to provide two additional employees, the lab supervisor and the meter supervisor,
27 with mobile telephones. The cost associated with maintaining the current level of service
28 and adding two additional phones is \$10,200. Therefore, Newport agrees to reduce its

1 requested funding for Telephones and Communications from \$15,000 to \$10,200, a
2 reduction of \$4,800. This adjustment is shown on Revised Schedule RFC 1.1.

3 **Q. Mr. Woodcock indicates that repayment of the \$2.5 million dollars the City of**
4 **Newport constitutes retroactive ratemaking. Do you have any comment on this?**

5 A. Yes. While this is a legal issue to be argued by Newport's attorney, it is my
6 understanding that a repayment such as the one proposed is not retroactive under the
7 applicable state law. As I understand it, the Rhode Island Supreme Court has held that
8 pursuant to R.I.G.L. §39-3-11.1, a public water utility is permitted to repay a loan to a
9 municipality, thus creating an exception to the rule against retroactive rate making.

10 **Q. On Page 8 of his testimony, Mr. Woodcock states he is concerned with Newport's**
11 **request to pay the City from funds in its restricted accounts. Mr. Woodcock believes**
12 **there are significant funds needed for capital work, and that diverting \$250,000 per**
13 **year from debt service does not make sense for water users. Can you please**
14 **comment on this?**

15 A. Analysis of the restricted accounts indicates that funding \$250,000 of the \$500,000
16 annual re-payment to the General Fund from the debt service account will not deplete the
17 debt service account to the extent that Newport would be in immediate jeopardy of being
18 unable to make debt service payments. Please note that the cost allocation model reflects
19 that Newport will recover revenues sufficient to fund the debt service account in the
20 amount of \$1,271,815 annually. As shown on Revised Schedule RFC 12, the debt
21 service account is expected to have a positive balance through FY 2007.

22 **Q. Do you agree with Messrs. Catlin and Woodcock that the Commission should not**
23 **grant a rate increase?**

24 A: I do not. As demonstrated by the rates calculated in the cost allocation model,
25 Newport will require a rate increase in order to generate the revenues necessary to meet
26 their expenses. As shown on Revised Schedule RFC 3, the proposed rate increases are
27 very modest and are a more accurate reflection of the cost of service than the existing
28 rates.

29 **Q. Has Newport Water revised its revenue request?**

1 A. Yes it has.

2 **Q. In total, how much of a rate increase is Newport requesting?**

3 A. The rates that Newport is proposing are anticipated to recover revenues in the amount
4 of \$8,055,928 which is \$397,820 greater than the amount of \$7,658,108 allowed in
5 Newport's last rate filing. This represents an increase of approximately 5%. It should be
6 noted that the proposed fire protection charges, which are the same as the existing fire
7 protection charges are anticipated to recover approximately \$200,000 more than the costs
8 that are allocated to Fire Protection. This discrepancy will be rectified in Newport's next
9 rate filing. Until that time, the surplus should be placed in a restricted account such that
10 it can be used to offset fire protection costs when new fire protection charges are
11 determined.

12 **Q. As a result, do you disagree with Mr. Catlin's Restricted Account Analysis set**
13 **forth on page 26 of his testimony?**

14 A. There are aspects of Mr. Catlin's analysis that I agree with but the overall result of his
15 analysis I disagree with. As previously discussed, I agree with the charging of costs for
16 depth surveys, the Vulnerability Assessment, and the Reservoir Road Tank Repairs to the
17 restricted Capital Spending Account and the associated deduction from the restricted
18 Capital Spending Account to fund these projects.

19

20 I disagree with the elimination of the \$250,000 annual contribution from rate revenues
21 needed to support the repayment to the General Fund. Eliminating this source of funding
22 would not allow the City to recoup the \$2.5 million it used to support the Water
23 Department. With respect to the release of funds in the amount of \$717,343 from the
24 restricted accounts, this amount only covers a portion of the \$2.5 million that was loaned
25 to the water utility by the General Fund.

26

27 In addition, I disagree with the recommendation that the annual contribution to the capital
28 spending account be increased by \$462,623. We have proposed in our filing to utilize the
29 excess funds currently in the capital spending account as an alternative source of funding

1 in order to minimize the impacts on rates. Our proposal to contribute \$941,667 to the
2 capital outlay annually from rate revenues in conjunction with the use of excess funds
3 currently in this account should allow Newport to meet their capital outlay needs in the
4 rate year. As Newport is currently in the process of revising their capital plan to address
5 improvements identified in the WTP Compliance Evaluation, it is likely that the amount
6 contributed from rates will be increased in Newport's next rate filing.

7 **III. COST ALLOCATION**

8 **A. Introduction/General Issues**

9 **Q. Have you had an opportunity to review the testimony submitted by the Division,**
10 **Portsmouth and the Navy with regard to Newport's Cost Allocation Study?**

11 A. Yes. I have

12 **Q. Are there portions of the testimonies submitted by Mr. Woodcock and Mr. Catlin**
13 **that you agree with?**

14 A. Yes, there are a few points brought up in both testimonies that I acknowledge should
15 be reviewed and considered for revision in Newport's rate filing.

16 **Q. Would you please explain in general terms what those points are?**

17 The points that I agree should be reviewed and modified from Messrs. Catlin's and
18 Woodcock's testimony involve cost allocation, lost and unaccounted for water, and fire
19 protection rate design. But once again, I do not totally adopt Mr. Catlin's and Mr.
20 Woodcock's positions.

21 **Q. I would first like for you to address some of the general comments made about**
22 **your Cost Allocation Study.**

23 A. I would be happy to do so.

24 **Q. Mr. Woodcock maintains on page 3, lines 25-26, that the proposed rate increase**
25 **is based on guesswork and unsound methodology. Do you agree?**

26 A. No, the proposed rate increase is based on an allocation of costs using the base/extra
27 capacity cost allocation methodology, which, as recognized by the rate consultants for

1 each of the interveners and by the Division's consultant, is an accepted cost allocation
2 methodology. As is the case with any water cost allocation and rate study, the lack of
3 perfect information with respect to anticipated costs and customer demand characteristics
4 required the use of assumptions. These assumptions had their basis in the available data
5 and were formulated using generally accepted rate making practices.

6 **Q. Mr. Woodcock states throughout his testimony, including on page 5 that**
7 **Newport simply has not complied with the Commission's Order in Docket 2985. Do**
8 **you agree?**

9 A. No, I do not agree with this statement by Mr. Woodcock. In Docket 2985 the
10 Commission directed, among other things, that Newport develop flat retail commodity
11 rates that allocated the commodity revenue requirements of the retail rate class to a
12 minimum of three retail rate classes. The cost allocation and rate model developed to
13 support this rate filing clearly complies with this requirement in that it uses the base/extra
14 capacity cost allocation approach to allocate retail commodity costs to three retail
15 customer classes, residential, commercial and governmental and calculates commodity
16 rates for each of these classes. Unfortunately, during the course of the cost allocation
17 study it became apparent that the available historical data was not sufficient to support
18 retail commodity rates for each retail customer class. Therefore, at the suggestion of Mr.
19 Thomas Massaro, a representative of the Commission, it was decided to develop a
20 uniform retail commodity rate based on the average of the individual rates calculated for
21 each customer class. While the proposed rate structure is not in strict compliance with
22 the Commission's requirements with regard to the development of flat retail rates for each
23 of the retail customer classes, the cost allocation model allows for the calculation of class
24 specific retail commodity rates. Further, consistent with the Commission's directives, the
25 rates do not reflect an in-city/out-of-city differential, nor do they reflect a seasonal rate
26 design.

27 **Q. On page 23 of his testimony, Mr. Woodcock states that Newport is clearly in**
28 **violation of the Commission's ruling to phase out its declining block rates. Do you**
29 **agree that your cost allocation study continues the use of declining block rates?**

1 A. It is unclear whether this statement is directed at the existing rates or the proposed
2 rates. If the statement is directed at the existing rates, then Mr. Woodcock's assessment
3 is correct in that the existing retail commodity rate structure is a declining block
4 structure. If, however, the statement is directed at the proposed rates, then it is clearly
5 incorrect since we have proposed flat retail commodity rates.

6 **Q. Mr. Woodcock maintains on page 4, lines 15-16, and 27-28, that Newport failed**
7 **to conduct the demand study the Commission ordered in Docket 2985. Do you**
8 **agree?**

9 A: No, I do not. First of all, upon review of the Commission's Order in Docket No.
10 2985, I failed to find any language that directs Newport to conduct a "demand study."
11 The Commission did order Newport to begin accumulating data relating to the average
12 day use and maximum day use by customer class, which Newport has indeed done.
13 While no formal study was performed in an effort to collect this data, Newport and its
14 consultants have put forth a considerable amount of effort in order to extract historical
15 data related to customer demand characteristics from the City's antiquated billing system.
16 Granted, there are some deficiencies with respect to this data. For the most part this is
17 attributable to the fact that Newport bills the majority of its customers on a tertiary basis.
18 However, the data that is available at this time is significantly better than was available at
19 the time of the last rate filing.

20

21 With respect to the accumulation of data relating to customer class maximum day
22 demand, it should be noted that the collection of class specific maximum day data is an
23 extremely time consuming and expensive process that is undertaken by very few utilities
24 across the country. As Mr. Catlin recognized in his testimony in Docket No. 2985, a
25 "truly representative...analysis of peak demand by customer class is an extraordinarily
26 time-consuming and expensive endeavor." The accumulation of this type of data would
27 require the installation of meters capable of collecting daily consumption data on a
28 statistically representative sample of customers from each customer class and would
29 require an ongoing effort on the part of the utility staff to collect and compile the data
30 from these meters.

1 Instead of incurring the costs associated with this type of study, standard industry practice
2 described in AWWA's M-1 manual was used to derive maximum hour demands using
3 the available data. As mentioned previously, the fact that meter reading and billing
4 intervals for many of its customers is longer than 1 month in duration limited the
5 usefulness of the data with respect to the derivation of class specific demand data.
6 Nevertheless, the proposed rates that were calculated based on this data reflect a
7 reasonable approximation of the cost to provide utility service to each of the customer
8 classes.

9 **Q: In Docket No. 2985, the Commission also ordered Newport to accumulate data**
10 **relating to “the net book value of assets by functional category, and the allocation of**
11 **net plant values, etc.” Has Newport complied with this order?**

12 A: Yes, the information submitted on page 4 of Schedule RFC 4-A of the original rate
13 filing shows the net book value of the assets by functional category as of June 30, 2001.
14 As pointed out by both Mr. Catlin and Mr. Woodcock, this data is somewhat dated.
15 Therefore, more recent data is presented on Revised Schedule RFC 4-A.

16 **Q: On page 4, lines 27-28 of his testimony, Mr. Woodcock states that “The cost**
17 **allocation study presented in this filing uses a methodology that the Commission**
18 **specifically rejected in Docket No. 2985.” Do you agree with this statement?**

19 A: No, in fact, the cost allocation study presented in this filing uses the base/extra
20 capacity cost allocation methodology which is the methodology that the Commission
21 specifically ordered Newport to use in the Docket No. 2985 Order.

22 **Q: Why was the base/extra capacity approach utilized?**

23 A: We utilized the base/extra capacity approach for two reasons. First, the base/extra
24 capacity approach is recognized throughout the water rate setting industry as an approach
25 that results in fair and equitable rates that recognize that differences in the demand
26 characteristics of different customer classes, result in differences in the costs associated
27 with serving each customer class. As recognized in Mr. Catlin's testimony, it was
28 reasonable for Newport to utilize this method.

1 The second, and perhaps most important, reason the base/extra capacity approach was
2 used is that in the Report and Order from Docket No. 2985, the Commission stated "...in
3 the next general rate filing, we direct that Newport Water submit a cost allocation study
4 utilizing the base-extra capacity method." Based on this language, it was quite clear that
5 the Commission expected Newport to use the base/extra capacity approach to cost
6 allocation.

7 **Q: Can you describe the base/extra capacity approach to cost allocation?**

8 A: In general, the base/extra capacity approach is based on the premise that a utility must
9 be designed, constructed and operated such that the utility is able to meet the peak
10 demands of its customers. Therefore, the utility must incur costs, both O&M and capital,
11 which are above and beyond those that it would incur if it was only required to meet the
12 average demand of its customers. The base/extra capacity cost allocation approach
13 attempts to assign these additional costs to the specific customers that cause the utility to
14 incur these costs. The resulting allocated costs form the basis for water rates that recover
15 the costs associated with meeting peak demands from those customers that are
16 responsible for those peaks.

17 **Q: Is the base/extra capacity approach a formulaic approach that can be applied in**
18 **the same manner in all situations?**

19 A: No, there are a number of reasons that the base/extra capacity approach cannot be
20 applied in the same manner for all utilities. Most importantly, not all utilities are
21 constructed and operated in the same way and therefore, the way in which they incur
22 costs to serve their customers are not the same either. These differences in the way in
23 which utilities are constructed and operated can be attributed to a number of factors. For
24 one, the demand characteristics of the customers served by a utility can vary dramatically
25 between utilities. For instance, a utility that serves a customer base that is predominantly
26 comprised of suburban residences with relatively large lots would most likely be
27 constructed and operated in way that would allow it to meet high summer peaks
28 attributable to irrigation. In contrast, a utility that serves a predominantly urban customer
29 base consisting primarily of apartment dwellers would be constructed and operated in a

1 way that allows it to meet the morning and evening peak demands that are characteristic
2 of this type of customer base.

3 **Q: Are there other characteristics that differentiate the way in which utilities incur**
4 **costs?**

5 A: Yes, the physical characteristics of a utility's service area also play a role in the
6 determining the way a utility is constructed and operated. For instance, a utility with a
7 single source of raw water and a single treatment facility is dramatically different in
8 terms of construction and operation from a utility like Newport that must rely on
9 numerous sources of raw water and utilize multiple treatment facilities.

10

11 Furthermore, Newport is a resort community with a transient summer population that is
12 significantly greater than its winter population. This means that Newport's system has
13 been constructed and must be operated to allow the utility to meet summer demands that
14 are significantly greater than winter demands. For example, in FY 2002, the average
15 demand in August was approximately 62% greater than the average demand in February.

16

17 Newport meets the demand for water by producing water at two separate water treatment
18 plants, the Station 1 Plant and the Lawton Valley Plant. During the summer, Newport
19 Water uses both plants to meet demand, switching primary production responsibility
20 between the two plants in order to effectively use each of their nine reservoirs. In the
21 winter, Newport Water could meet the demand of all of their customers from the Station
22 1 Plant alone and temporarily shut down the Lawton Valley Plant. However, since
23 Portsmouth's water is delivered from the finished water storage tank at the Lawton
24 Valley Plant, Newport Water must operate both plants on a year round basis.

25 **Q: Did any of the factors that you have just addressed come into play during the**
26 **development of the cost allocation study for Newport Water?**

27 A: Yes, these factors came into consideration as we determined what portions of
28 Newport Water costs should be allocated to the retail customers, Portsmouth and the
29 Navy. When setting rates, it must be determined which portions of the water system

1 benefit each of the customers the utility serves. The costs associated with each specific
2 component of the system are then allocated to customer classes that the specific
3 component is used to serve. The costs allocated to each customer class form the basis for
4 the rate that each class is charged. In a simple utility that serves each of its customers in
5 much the same way using a single source of supply and single treatment plant, it is
6 relatively easy to determine which components of the system provide benefits to each
7 customer class. Retail customers use all of the components of the system and are
8 therefore allocated a share of the costs associated with each component of the system. In
9 the case of a wholesale customer that receives its water through a master meter located at
10 or in close proximity to the treatment facilities the wholesale customer should only be
11 allocated a share of the costs associated with source of supply and treatment since they do
12 not make use of the transmission or distribution system.

13 Unfortunately, Newport's system is not a simple system. As mentioned previously in this
14 testimony and in the testimony of Julia Forgue, Newport relies on nine separate raw
15 water reservoirs, each with differing water quality. In order to make the most efficient
16 use of these different sources of supply, Newport Water must balance the production of
17 finished water between its two treatment plants. To complicate matters more, Newport
18 Water not only serves retail customers in three separate communities (Newport,
19 Middletown and Portsmouth), it also serves two wholesale customers and each of these
20 wholesale customers is provided service in dramatically different ways. Portsmouth is
21 served through a master meter at the Lawton Valley Plant, but the Navy is served through
22 a number of different meters, making use of the utility's transmission system. These
23 complicating factors made the determination of which components of the system benefit
24 each of the different customer classes much less clear cut and made it difficult to strictly
25 adhere to standard base/extra capacity allocation approaches.

26

27 For example, it would have been much simpler to allocate all of the costs associated with
28 the Lawton Valley treatment plant to a treatment functional category, and then distribute
29 the treatment costs to the base and extra capacity categories. However, this would have
30 resulted in Portsmouth being assigned some of the costs associated with transmission

1 pumping that are incurred at Lawton Valley. Instead, it was necessary to allocate the
2 transmission pumping component of the Lawton Valley costs to the transmission
3 functional category and the treatment component to the supply and treatment category.
4 The resulting allocation of costs is admittedly not perfect, but it is the best solution to a
5 complex cost allocation problem caused by the complexity of the Newport system.

6 **Q: Did RFC review cost allocation models prepared by others that were submitted**
7 **as testimony related to Newport's previous rate filing, Docket No. 2985?**

8 A: Yes, RFC reviewed cost allocation models prepared by the Division's rate consultant
9 (Exeter and Associates) and Portsmouth's rate consultant (Woodcock & Associates) in
10 relation to Docket No. 2985.

11 **Q: What was RFC's purpose in reviewing these cost allocation models?**

12 A: RFC presumed that these cost allocation models were prepared using cost allocation
13 and rate setting approaches that were acceptable to the parties for which they were
14 prepared and therefore would provide a starting point for our development of our
15 approach to cost allocation and rate calculation.

16 **Q: So, Mr. Woodcock's statement that the cost allocation model developed by RFC**
17 **is simply a copy of the cost allocation model prepared by the Division's consultant**
18 **Mr. Jerome Mierzwa for Docket No. 2985 is incorrect?**

19 A: Yes, it is incorrect. RFC developed the cost allocation model used to support
20 Newport's current rate filing specifically for this project.

21 **Q: Specifically, Mr. Woodcock's testimony refers to Newport's response to question**
22 **25 of PWFD's first data request in which you indicated that some of the allocation**
23 **indices used in the Mierzwa model were also used in RFC's model. How do you**
24 **explain these similarities?**

25 A: Many of the similarities are similarities that would be expected of any two cost
26 allocation models that use the base/extra capacity cost allocation approach. For example,
27 the fact that both models used an allocation index that allocates 99% of those cost line
28 items that relate specifically to source of supply to the Supply and Treatment function
29 and the remaining 1% to Fire Protection is simply the result of both models using a

1 typical approach to cost allocation. Allocation indices that are developed using data
2 specific to Newport were derived using then current Newport data such that these indices
3 reflected the current situation. For example, Allocation Index L – Labor was developed
4 using Newport’s anticipated labor costs for the rate year.

5 **B. Agreed Upon Issues – Multiple Parties**

6 **Q. You indicated there are some issues raised by the Division, Portsmouth and the**
7 **Navy that you agreed with, is that correct.**

8 A. Yes there are, and I will address these issues beginning with issues raised that are
9 common to more than one of the respective testimonies submitted by the Consultants for
10 the Division, Portsmouth and the Navy .

11 **Q. Is the first of these areas the Development of Allocation Symbol I?**

12 A. Yes, both Mr. Catlin and Mr. Woodcock note that the development of Allocation
13 Symbol I in RFC Schedule 4 uses fixed asset information for the fiscal year ending June
14 30, 2001. When this data was collected, it was the most recent available data. I agree
15 that more recent data is now available and should be used to derive this allocation factor.
16 Revised Schedule RFC 4-A incorporates fixed asset data as of June 30, 2003. In addition,
17 Mr. Catlin states on p. 28 that the Allocation Symbol I should be revised to include net
18 investment in supply mains. This oversight has been corrected and is also shown on
19 Revised Schedule RFC 4-A.

20 **Q. Are you also in agreement with Mr. Woodcock and Mr. Catlin as to the**
21 **allocation of IFR costs?**

22 Yes, both Mr. Catlin and Mr. Woodcock indicate that the Commission requires that all
23 IFR costs be recovered through volumetric charges. While this approach fails to
24 adequately recognize that some of the IFR costs are directly related to meters and
25 services and fire protection, we have revised our cost allocation model such that all IFR
26 costs are recovered through the appropriate commodity charges. This revision is shown
27 on Revised Schedule RFC 4-A and Revised Schedule RFC 1.1.

1 **C. Agreed Upon Issues – Division**

2 **Q. Are there any issues raised by solely by the Division in which you are in**
3 **agreement?**

4 A. Yes there are. First, Mr. Catlin states on page 28 of his testimony that the breakdown
5 of the footage of mains in RFC Schedule 4 should be corrected. This oversight has been
6 corrected and all mains 16 inches and larger have been classified as transmission mains.
7 Revised Schedule RFC 4-A reflects this change.

8 **Q: Do you agree with Mr. Catlin's recommendation that all capital costs should be**
9 **allocated based on net investment?**

10 A. Yes, on page 28 of his testimony Mr. Catlin suggests that all capital costs should be
11 allocated based on net investment. While this approach lacks the specificity of the
12 approach currently used, it would reduce the potential for capital cost allocations to
13 fluctuate dramatically from rate case to rate case. This change is reflected on Revised
14 Schedule RFC 1.1 and Revised Schedule RFC 1-A.

15 **Q: Do you agree with Mr. Catlin's recommendation that a billing component be**
16 **included with the public and private fire protection charge?**

17 A. Yes, I do agree that the addition of a billing component to the fire protection charges
18 is reasonable. As suggested on page 31 of Mr. Catlin's testimony, we have allocated a
19 portion of the costs allocated to Meters and Services and Customer Costs cost categories
20 to Fire Protection based on the relationship between the number of bills for fire protection
21 and the number of bills for water service. The calculated billing component is shown in
22 Revised Schedule RFC 8. However, since it is proposed that no change be made to the
23 existing fire protection charges there has not been an adjustment made to reflect the
24 billing component, therefore it is assumed that the costs allocated for this billing
25 component will be recovered through the existing fire protection charges.

26 **Q: With the use of the existing fire protection charges instead of those calculated in**
27 **Revised Schedule RFC 8 is there the likelihood that there will be a revenue surplus?**

28 A. Yes, and as Revised Schedule RFC 6 indicates there is a revenue surplus of
29 approximately \$230,000. This surplus is due primarily to the fact that the existing fire

1 charges are greater than those calculated in the cost allocation model. It is anticipated
2 that Newport will be preparing for the PUC another rate filing in the near future and at
3 that time this issue will be resolved.

4 **Q: Are there any other comments made in Mr. Catlin’s testimony that you agree**
5 **with?**

6 Yes, I would like to point out on page 27 of Mr. Catlin’s testimony he refers to the cost
7 allocation study we prepared as a “detailed class cost of service study prepared utilizing
8 the base extra capacity method set forth in the AWWA’s Manual M1...” I agree with
9 this assessment of our study and that the methodology used within is generally accepted
10 within the industry.

11 **D. Agreed Upon Issues - Portsmouth**

12 **Q. Are there any issues raised by solely by Portsmouth in which you are in**
13 **agreement?**

14 A. Yes, on page 17 of his testimony, Mr. Woodcock asserts that “Newport has
15 acknowledged Portsmouth does not use the pumping facilities and should not be assigned
16 any of the costs” and also notes that some of the labor costs associated with pumping at
17 Lawton Valley and Station 1 are assigned to Portsmouth by virtue of the fact that these
18 costs are allocated to the Supply and Treatment functional category, a portion of which is
19 allocated to Portsmouth. While I disagree with his assertion that Portsmouth does not use
20 the pumping facilities, I will concede that Portsmouth is assigned a portion of the labor
21 costs associated with pumping. An argument could be supported that Portsmouth should
22 be allocated a share of the pumping costs associated with Lawton Valley and Station 1
23 since Newport is forced to incur pumping costs at Station 1 in order to serve customers
24 that it could serve from Lawton Valley if it was not required to provide water to
25 Portsmouth.

26

27 However, in an effort to avoid protracted dispute over this issue, Newport chose to adopt
28 Portsmouth’s position in previous rate cases on this issue and assign those costs
29 associated with pumping at the two treatment plants to transmission, which is not

1 allocated to Portsmouth. In an effort to further compromise with Portsmouth's position
2 on this issue, we have also decided to assign some of the labor costs at Lawton Valley
3 and Station 1 to the Transmission functional category such that these costs are not
4 assigned to Portsmouth. To achieve this revised allocation of costs, we developed a new
5 allocation index G, Treatment Labor that allocates treatment labor costs based on the
6 hours per year spent by treatment plant personnel on maintaining the pumps. According
7 to Newport approximately 30 hours of labor are spent per year per pump. With eighteen
8 treatment plant personnel serving on average a total of 2000 hours per year in labor the
9 percentage of treatment labor that can be allocated to pumping activities is relatively
10 small. The development of this new allocation symbol is shown on Revised Schedules
11 RFC 4 and 4-A and the resulting cost allocations are shown on Revised Schedule RFC 1,
12 1.1 and 1-A.

13 **Q. Do you agree with Mr. Woodcock's questioning on page 21 of his testimony**
14 **regarding the way in which plant use was handled in Schedule RFC 3-A as it relates**
15 **to lost and unaccounted for water?**

16 Yes, since the water used at the plants is accounted for as a result of metering plant use
17 and the costs associated with the production of plant use are accounted for in the rate year
18 expenses for the two water plants, plant use water should not be included as unaccounted
19 water. Revised Schedule RFC 3-A reflects that water that is utilized for plant use should
20 not be considered when adjusting the consumption for customer classes to recognize
21 water lost within the transmission and distribution system.

22 **E. Agreed Upon Issues - Navy**

23 **Q: Mr. Harwig points out on page 6 of his testimony that the consumption data for**
24 **PWFD shown on Schedule RFC 5-B is not consistent with the data shown on RFC**
25 **Support Schedule 5-C1. Is this true?**

26 A: Yes, the consumption data for Portsmouth shown on these two schedules is different.
27 The reason for this difference is that this data comes from two different sources. The
28 data shown on RFC 5-B was provided by PWFD while the data shown on RFC 5-C1 was
29 provided by Newport. The apparent reason for the differences is that the data was

1 gathered at different times and the intervals between the collection of each data point are
2 different. For the sake of consistency, RFC chose to use data from one source, Newport,
3 in the cost allocation model that supports this rate filing. However, in the revised cost
4 allocation model that accompanies this testimony, RFC has used the data provided by
5 Portsmouth since the intervals between the collection of each data point are more
6 consistent. The revised data for PWFD is shown on Revised Schedules RFC 5-B and 5-
7 C1. In addition, we have also included consumption data for Portsmouth for FY99 and
8 FY03 that was not included in the original model.

9 **F. Disputed Issues – Multiple Parties**

10 **Q: The consultants for the Division, Portsmouth and the Navy all raise questions**
11 **with respect to the way in which peaking factors were developed for use in the cost**
12 **allocation study. Do you agree with their comments with respect to the development**
13 **of peaking factors?**

14 A: To a certain extent, I do. But I also disagree to a certain extent. Mr. Catlin, Mr.
15 Woodcock and Mr. Harwig all point out that peaking factors based on tertiary billing data
16 will not provide a completely accurate indication of the demand characteristics of the
17 customer class under consideration. While I agree with each of them on this issue, I must
18 point out that since Newport, like many other utilities in Rhode Island and across the
19 country, including Portsmouth, read meters and bill their customers on a less than
20 monthly basis, historical monthly consumption data was simply not available. Therefore,
21 we applied a methodology set forth in AWWA Manual M-1 to the available data in order
22 to develop peaking factors for the retail customer classes. Upon completion of this
23 analysis, it was recognized that, as Mr. Harwig points out on page 11 of his testimony,
24 the resulting class specific peaking factors were not consistent with class specific peaking
25 factors experienced by most other utilities.

26

27 In recognition of the data limitations resulting in part from tertiary billing, the retail rate
28 for all customer classes proposed in this rate filing is, as suggested by Mr. Tom Massaro

1 of the Commission, the average of the individual class rates that were calculated based on
2 the limited data available to determine class specific peaking factors.

3 **Q: On pages 20 and 7, respectively, both Mr. Woodcock and Mr. Harwig suggest**
4 **that the system max day and max hour factors were calculated incorrectly? Do you**
5 **agree?**

6 A: I do not agree completely, I do however concede that an approach to calculating the
7 system max day and max hour values that is different from the one used in our original
8 cost allocation model does yield system wide peaking factors that are more representative
9 of the system peak demands for Newport.

10 **Q: Could you please explain?**

11 A: Yes. First, it is important to remember that Newport treats water at two separate
12 water treatment plants and balances production at these plants to make the most effective
13 use of its sources of raw water in order to meet peak demands. As such, the system wide
14 production data is comprised of data generated by meters at each of the two plants.
15 Using this data, it is relatively easy to ascertain the max day and max hour at each of the
16 two plants. However, the max day and the max hour do not occur simultaneously at both
17 plants. Therefore, it is not appropriate to simply assume, as Mr. Harwig has done on
18 page 8 of his testimony, that the sum of the max days or max hours at each plant is the
19 max day or max hour for the system. To do so would be to overstate the system wide
20 max day and max hour values.

21 **Q: How did RFC attempt to recognize that the max day and max hour at both**
22 **plants did not occur simultaneously?**

23 A: Since the system wide max day and max hour were determined in much the same
24 way, I will, for the sake of simplicity, only describe the approach that was originally used
25 to determine the max day. In an effort to determine the system wide max day in our
26 original cost allocation model, we took the average of the sum of the max days during
27 each month at the two plants for each of three years and then calculated the average of
28 these three values. I agree that this approach most likely understated the system wide
29 max day and max hour.

1 **Q: Are you suggesting that there is a more appropriate way of determining the**
2 **system wide max day for the Newport system?**

3 A: Yes, instead of calculating the average of the sum of the max days at each plant for
4 each month it would be more appropriate to assume that the sum of the max day
5 production at both plants over the course of each of the three years was a high
6 approximation of the system wide max day in that year. Then, in recognition of the fact
7 that this value overstates the true max day in each year, the average of these three values
8 is used as the system wide max day value. This revised approach is shown on Revised
9 Schedule RFC -5-A.

10 **Q: What is the difference between the system wide max day and max hour values**
11 **that are calculated using the original approach and the values calculated using the**
12 **revised approach?**

13 A: The system wide max day value using the original approach was approximately 9.7
14 million gallons per day (MGD) and the revised approach yields a value of approximately
15 12.6 MGD. The original approach yielded a max hour value of approximately 12.9 MGD
16 and the revised approach results in a max hour demand of approximately 15.7 MGD.

17 **Q: How does this change in the system wide max day and max hour values affect**
18 **the allocation of costs?**

19 A: The higher system wide max day value results in a larger portion of the commodity
20 costs being allocated to the max day cost category and therefore a larger portion of the
21 total transmission and distribution costs, which are allocated to both base and max day,
22 are allocated to the retail class and the Navy.

23

24 The system wide max hour value is used in the development of the allocation index that
25 is used to allocate costs associated with pumping at the treatment plants to functional
26 categories (Allocation Index B). The use of the revised system wide max hour value
27 results in less of the pumping costs at the treatment plants being allocated to fire
28 protection and more being allocated to transmission.

29

1 The system wide max day value is also used in the derivation of class non-coincident
2 capacity factors shown on Revised Schedule RFC 5-D. The higher max day value
3 resulting from the change in the approach used to determine the system max day results
4 in higher non-coincident max day capacity factors for all customer classes. The resulting
5 capacity factors are shown on Revised Schedule RFC 5-D. It should also be noted that
6 the test of system diversity using the recalculated capacity factors results in a System
7 Max Day Diversity Value of 1.14 which is within the acceptable range of system
8 diversity of 1.10 to 1.40 as specified in AWWA Manual M-1. As stated in the M-1
9 manual, "This means that the maximum-day capacity factors selected for each of the
10 classes, based upon the data available and the assumptions regarding variation in
11 consumption throughout the week, likely result in reasonable approximations of the
12 overall class maximum-day demands for cost allocation purposes."

13

14 This is not to say that we believe that the peaking factors for the retail customer classes
15 accurately reflect the demand characteristics of these classes, the fact that the residential
16 class peaking factors are lower than those of the commercial and governmental classes
17 casts some doubt on the validity of the rates calculated for each individual class. As
18 discussed elsewhere in my testimony, the fact that these peaking factors were calculated
19 using tertiary billing data makes the resulting peaking factors somewhat suspect.
20 Therefore, we continue to recommend that the retail commodity rate be set equal to the
21 average of the rates calculated for each customer class. The fact that the System Max Day
22 Diversity Factor value falls within the acceptable range does however lend credence to
23 the other assumptions that were used during the development of system wide and class
24 specific peaking factors.

25 **Q: Mr. Harwig also points out on page 6 of his testimony that the consumption data**
26 **for PWFD shown on Schedule RFC 5-B is not consistent with the data shown on**
27 **RFC Support Schedule 5-C1. Is this true?**

28 A: Yes, the consumption data for Portsmouth shown on these two schedules is different.
29 The reason for this difference is that this data comes from two different sources. The
30 data shown on RFC 5-B was provided by PWFD while the data shown on RFC 5-C1 was

1 provided by Newport. The apparent reason for the differences is that the data was
2 gathered at different times and the intervals between the collection of each data point are
3 different. For the sake of consistency, RFC chose to use data from one source, Newport,
4 in the cost allocation model that supports this rate filing. However, in the revised cost
5 allocation model that accompanies this testimony, RFC has used the data provided by
6 Portsmouth since the intervals between the collection of each data point are more
7 consistent. The revised data for PWFD is shown on Revised Schedules RFC 5-B and 5-
8 C1. In addition, we have also included consumption data for Portsmouth for FY99 and
9 FY03 that was not included in the original model.

10 **G. Disputed Issues - Portsmouth**

11 **Q: With respect to the allocation of costs, what type of customer is Portsmouth?**

12 A: In an effort to simplify the cost allocation process and file a base/extra capacity cost
13 allocation study as soon as possible, it was decided that Portsmouth would be treated as a
14 typical master metered wholesale customer. Therefore, Portsmouth is allocated a share of
15 the source of supply and treatment costs and none of the costs associated with
16 transmission and distribution. Additionally, since the pumps at Lawton Valley and
17 Station 1 are to a certain extent used to pressurize the utility's transmission and
18 distribution system, it was decided that none of the costs that were readily identifiable as
19 pumping costs would be allocated to Portsmouth either.

20

21 It was also decided that Portsmouth would only be allocated a proportionate share of the
22 annual costs associated with Newport's treatment facilities based on Portsmouth's share
23 of the demand, despite the fact that there are certain periods of the year in which Lawton
24 Valley is operated for the sole benefit of Portsmouth. It may have been possible to
25 identify the costs associated with Lawton Valley during those periods when it was only
26 operated for the purpose of serving Portsmouth and allocate those costs specifically to
27 Portsmouth; however, this process would be extremely complicated and would have been
28 the subject of much debate that would only serve to slow the rate filing process.

1 **Q: In his testimony, Mr. Woodcock criticizes the approach taken to developing**
2 **peaking factors that are used to allocate costs to customer classes. Can you address**
3 **this criticism?**

4 A: Yes, I will address each comment that Mr. Woodcock made regarding the way in
5 which peaking factors were developed. With respect to Mr. Woodcock's first comment
6 regarding the development of peaking factors beginning on line 23 of page 19 of his
7 testimony, I concur that the data used to develop Portsmouth's max day demand does not
8 give a completely accurate indication of the way in which Portsmouth demands water.
9 Unfortunately, when the model was being developed, we were not aware that the monthly
10 consumption data used was based on meter reading intervals that were greater than 30 to
11 31 days. To correct this issue, the revised cost allocation model that is provided with this
12 testimony utilizes consumption data that was based on information provided by
13 Portsmouth's SCADA system.

14

15 With respect to Mr. Woodcock's second comment on peaking factors, which begins on
16 line 15 of page 20 of his testimony, I would like to first point out that a max day peaking
17 factor was not used to develop the allocation factor for pumping. Instead, a max hour
18 peaking factor was used. Regardless, we concur that the method for deriving the peaking
19 factor used to develop the pumping allocation factor does not provide a completely
20 accurate indication of the system's max hour demand. To correct this issue, in the
21 revised cost allocation model, we have instead derived the max hour factor using the
22 average of the estimated max hour demands for each of the three years, FY 00 through
23 FY 02. While the revised approach does not necessarily result in a max hour factor that
24 is absolutely correct, it provides a reasonable approximation of the system's max hour
25 demand that should be sufficient for the purpose for which it is used.

26

27 It should be noted that the max hour values for each of these years are only estimates and
28 are based on the sum of the max hour flows at each of Newport's plants. This approach
29 does not result in a completely accurate system max hour demand since it is extremely

1 unlikely that the max hour flow at both plants occurred during the same hour. The actual
2 max hour demand during each of these three years is almost certainly lower than these
3 estimates. However, a reasonable approximation of the system max hour demand can be
4 derived by taking the average of the max hour for these three years.

5

6 In his last comment relating specifically to the development of peaking factors which
7 begins on line 1 of page 21 of his testimony , Mr. Woodcock incorrectly asserts that the
8 maximum day ratios used in the cost allocation model are derived directly from the
9 AWWA Manual. The values shown on the line labeled “Capacity Factor from Chapter 8
10 AWWA M-1 Manual” on page 2 of Schedule 5-D are included for reference purposes
11 only and are in no way used in the allocation of costs or the calculation of rates. The
12 peaking factors developed for use in the cost allocation model used to support this rate
13 filing were based on data from Newport. The only time that values from the AWWA M-
14 1 Manual were used was in the development of non-coincident peaking factors. In this
15 case, weekly usage adjustment factors used in the M-1 manual were used but only after it
16 were determined that they were a reasonable approximation of the weekly usage patterns
17 that would be expected of Newport’s customers.

18

19 Ironically, in his testimony in support of the Navy, Mr. Harwig suggests that the use of
20 the peaking factor for residential customers provided in the M-1 Manual would be more
21 appropriate than using peaking factors based on data from the utility for which the cost
22 allocation study is being prepared.

23 **H. Disputed Issues - Navy**

24 **Q: Is the Navy treated the same way as Portsmouth in the cost allocation process?**

25 A: No, the Navy is treated as a quasi-wholesale customer. Since it makes use of the
26 utility’s transmission system, it is allocated a share of the transmission costs in addition
27 to source of supply and treatment costs. The Navy is not, however, allocated any of the
28 costs associated with Newport’s distribution system.

1 **Q: In his testimony for the Navy, Mr. Harwig criticized the fact that 99% of both**
2 **the supply and treatment costs were assigned to the base cost category, and**
3 **indicated it would be more appropriate to assign the costs associated with the**
4 **Lawton Valley and Station 1 treatment plants to both the base and max day**
5 **categories based on a system wide max day factor. Do you agree with Mr. Harwig**
6 **on this point?**

7 A: In most cases I might agree with Mr. Harwig on this point, in fact RFC has prepared
8 numerous cost allocation models that utilize the approach that Mr. Harwig describes.
9 However, in this situation I do not agree that Mr. Harwig's recommended approach is the
10 most appropriate way to achieve an equitable allocation of costs. Assigning treatment
11 costs to both base and max day cost categories recognizes that treatment facilities incur
12 additional costs in order to meet peak demands. However, at Newport's two treatment
13 plants the vast majority of the costs incurred to meet peak demand are those costs
14 associated with pumping. Since, for the reasons described earlier, these pumping costs
15 were specifically allocated to the transmission category and then assigned to the base and
16 max day cost categories, the cost allocation model developed for this filing recognizes
17 that some treatment costs are associated with meeting peak demands; however, it does
18 not recognize them in the same way that a cost allocation model developed for a simple
19 utility would recognize them.

20 **Q: On pages 9 and 10 of his testimony, Mr. Harwig suggests that only three years of**
21 **historical data should be used to calculated projected rate year consumption for**
22 **each customer class. Do you agree with this suggestion?**

23 A: I do not. The use of five years of data minimizes the impact on the projection of
24 consumption in the rate year of demand fluctuations caused by year to year changes in
25 weather conditions. Unless it can be demonstrated that changes in consumption from one
26 year to the next are caused by a change in the make-up or size of the service area
27 population, the use of five years of historical data should yield a reasonable
28 approximation of the level of consumption than can be expected in the rate year. To the
29 best of my knowledge, the size and make-up of the population that Newport serves has
30 remained relatively consistent during the five years for which data is used.

1 **Q: Mr. Harwig includes with his testimony two schedules, EH-1 and EH-2, that he**
2 **maintains present a more appropriate allocation of costs than those that result from**
3 **the cost allocation model developed by RFC. Do you agree with the information**
4 **presented in these schedules?**

5 No, I do not. There are certain aspects of the revisions to the RFC Model that I take issue
6 with. The first of these relates to the peaking factors that Mr. Harwig uses in his analysis.
7 Mr. Harwig's analysis uses peaking factors that he maintains are "more accord with those
8 found in the AWWA Manual." First, this is indeed be the case for the peaking factors he
9 has used for the residential class and Portsmouth. However, while I have not completely
10 read the AWWA M-1 Manual, I am relatively certain that the M-1 Manual does not
11 contain any information that would support that the Max Day Capacity Factor for the
12 Navy base at Newport is 1.9. Second, as various parties to this rate case have pointed
13 out, it is not acceptable to arbitrarily rely on "industry standard" data for the purposes of
14 setting rates. While I do recognize that the consumption data available from Newport is
15 imperfect, I do not think this data should be abandoned for this reason alone since it is the
16 best data available. By using Maximum Day factors based on his experience and
17 judgment, Mr. Harwig eliminates the link that makes this cost allocation study specific to
18 Newport. It would be presumptuous to substitute Maximum Day factors that are more in
19 line with the AWWA M1 Manual especially since no connection has been established
20 between them and the usage patterns unique to the Residential class and Navy in
21 Newport.

22

23 Additionally, Mr. Harwig's analysis relies on only three years of consumption data. As I
24 stated earlier in this testimony, it is more appropriate to use the full five years of data.
25 Using three years of data simply serves to allocate more costs to the retail customers and
26 Portsmouth and less to the Navy.

27

28 Lastly Mr. Harwig's analysis uses a system max day value that was derived by simply
29 taking the sum of the max day production in the max month at the two treatment plants.

1 As discussed earlier, this approach fails to recognize that the max day at the two plants
2 did not occur on the same day and overstates the system max day.

3 **IV. CONCLUSION- COST ALLOCATION**

4 **Q. The consultants for the Division, Portsmouth and the Navy all made suggestions**
5 **with respect to the Cost Allocation, could you please summarize your**
6 **recommendation after reviewing these respective testimonies?**

7 A: Yes, first I will summarize those issues that were addressed in more than one of the
8 testimonies submitted on behalf of the the Division, Portsmouth and the Navy.

- 9 • The Division and Portsmouth both pointed out that the Commission requires that
10 IFR cost be recovered through a charge that is based on consumption. Therefore,
11 the revised cost allocation model allocates the IFR costs such that no IFR costs
12 are allocated to Meters & Services, Customer Costs or Fire Protection. As a
13 result, all IFR costs are now being recovered through the commodity charges.
- 14 • The Division, Portsmouth and the Navy all comment on the fact that the use of
15 tertiary billing data to develop class peaking factors will not necessarily result in
16 completely accurate peaking factors for the different customer classes. We agree
17 with their comment and instead of proposing class specific retail commodity rates
18 we have instead proposed a single retail commodity rate that is based on the
19 average of the class specific rates calculated based on the use of tertiary data.

20 **Q: Can you summarize your response to the cost allocation recommendations that**
21 **were made by the Division only?**

22 A: Yes, the Division made several recommendations with respect to cost allocation.
23 Their recommendations and our response are as follows:

- 24 • The Division recommended that Customer Services revenues should be used as an
25 offset against Meters & Services and Customer Costs expenses. We agree with this
26 recommendation and have revised the cost allocation model to reflect this change.

- 1 • The Division recommended that all water mains 16” in diameter or larger revenues
2 should be reclassified as transmissions mains. We agree with this recommendation
3 and have revised the cost allocation model to reflect this change.
- 4 • The Division recommended that source of supply mains should be used in the
5 development of the allocation index used to allocate capital costs to functional
6 categories We agree with this recommendation and have revised the cost allocation
7 model to reflect this change.
- 8 • The Division recommended that the most current asset records should be used to
9 develop the allocation index used to allocate capital costs to functional categories. We
10 agree with this recommendation and have revised the cost allocation model to reflect
11 this change.
- 12 • The Division recommended that all capital costs should be allocated based on net
13 investment. We agree with this recommendation and have revised the cost allocation
14 model to reflect this change.
- 15 • The Division recommended that some of the Meters & Services and Customer Costs
16 be allocated to the fire charges and that these costs should be recovered through a fire
17 protection billing charge. We agree with this recommendation have calculated a fire
18 protection billing charge. However, as discussed earlier in my testimony, since we
19 are not recommending any changes to the fire protection charges in this filing, we do
20 not propose to implement the new fire protection billing charge at this time.

21 **Q: Can you summarize your response to the cost allocation recommendations that**
22 **were made by Portsmouth only?**

23 A: Yes, Portsmouth recommended that a portion of the labor costs at the treatment plants
24 be allocated to transmission in order to recognize that some of these costs were associated
25 with transmission. While we complied with this recommendation and allocated
26 approximately 1% of the labor costs at the treatment plants to transmission, we do not
27 necessarily agree that Portsmouth should not be allocated a portion of the transmission
28 costs. In future rate filings, it may be determined that Portsmouth should be allocated a
29 portion of the transmission costs.

1 Portsmouth also suggested that plant use water be excluded from the calculations that
2 assign cost responsibility for unaccounted for water. We agree with this suggestion and
3 have revised the cost allocation model accordingly.

4 **Q: Can you summarize your response to the cost allocation recommendations that**
5 **were made by the Navy only?**

6 A: Yes, the Navy made several recommendations with respect to cost allocation. Their
7 recommendations and our response are as follows:

- 8 • The Navy suggested that Treatment costs should be segregated from Supply costs
9 and allocated to both base and extra-capacity cost categories based on the system
10 max day peaking factors. We disagree with this recommendation and maintain
11 that by allocating the pumping costs at the treatments facilities to transmission we
12 have recognized that a portion of the costs at the treatment plants is attributable to
13 meeting max day demand.
- 14 • The Navy suggested that the method used in the original cost allocation to
15 determine the system wide max day and max hour capacity was faulty. While we
16 maintain that the method used is acceptable, the revised cost allocation model
17 uses a methodology that most likely yields system wide peaking factors that are
18 more representative of those experienced by Newport.
- 19 • The Navy suggests that it would be more appropriate to use only three years of
20 historical consumption data in developing the projected class consumption for the
21 rate year. We disagree with this suggestion and maintain that the use of five years
22 of historical consumption data is more appropriate when developing consumption
23 projections
- 24 • The Navy suggests the substitution of peaking factors that it characterizes as
25 being more consistent with industry norms for the peaking factors that were
26 developed based on Newport data. While we agree that the peaking factors
27 developed based on Newport data are inconsistent with those that would be
28 expected, we disagree with the suggestion and maintain that it is more appropriate

1 to use peaking factors that are based on data generated by the utility under
2 consideration.

3 **Q: Does this conclude your testimony?**

4 A. Yes it does. Other than issues that may be raised between now and the hearings, this
5 concludes my testimony.

6

City of Newport, Rhode Island
Line Item 335, Chemicals
FY 2004 Actual and Projected Rate Year Expenses

Newport Water Schedule 2

<u>Chemical</u>	Year of Maximum Usage	Amount Used (lb)	Unit Cost (\$/lb)	Projected Rate Year Cost
<u>Newport Water Treatment Plant</u>				
Alum	FY 2000	386,099	\$ 0.1079	\$ 41,650
Lime	FY 2001	222,686	0.0644	14,341
Chlorine	FY 2002	61,820	0.2450	15,146
Fluoride	FY 2003	18,663	0.3000	5,599
Sodium Chlorite	FY 1998	124,663	0.5270	65,697
Polymer	FY 2003	1,300	4.8700	6,331
Granular Activated Carbon				45,830
Annual Cost Based on Maximum Usage				\$ 194,595
Amount per Newport Filing				\$ 220,000
Adjustment to Chemicals Expense				\$ (25,405)
<u>Lawton Valley Water Treatment Plant</u>				
Alum	FY 1997	501,140	\$ 0.1079	\$ 54,060
Lime	FY 1998	277,300	0.0785	21,765
Chlorine	FY 1997	53,420	0.2450	13,088
Fluoride	FY 1998	20,178	0.3000	6,053
Sodium Chlorite	FY 1999	97,359	0.5270	51,308
Annual Cost Based on Maximum Usage				\$ 146,275
Allowance for Additional Needs from Compliance Evaluation Study				20,000
Adjusted Annual Costs				\$ 166,275
Amount per Newport Filing (2)				\$ 200,000
Adjustment to Chemicals Expense				\$ (33,725)
Total Adjustment to Chemicals Expense				\$ (59,130)

(1) All quantities and prices are per the response to DIV 3-9.
(2) Per Schedule RFC 1-A.

4/22/2004

Raftelis Financial Consulting

City of Newport, Rhode Island
Rhode Island Public Utilities Commission Rate Filing Docket #3578

Rebuttal Testimony

List of Revisions to Cost Allocation Model

RFC Revisions Table

Number Change	Data Request/Testimony Comment	Topic/Issue	Revisions	Effect	Revised Schedules and Links to Revisions
1	PWFD 1-31	Use of PWFD Peaking and Consumption Data	Utilize max month daily flow from PWFD data	Decreases PWFD max month ratio	Revised Schedule RFC 5-D
			Utilize metered max day and max month flows from PWFD data	Increases PWFD Class Max-month Average Day Demand/Class Average Day Demand Factor	Revised Schedule RFC 5-D
			Utilize annual average daily flow from PWFD data in calculation of max month ratio.	Included in calculation of max month ratio.	Revised Schedule RFC 5-D
			Utilize monthly consumption data from PWFD for FY 1999 through FY 2003.		Revised Schedule RFC 5-C1
2	PWFD 1-11	Labor costs associated with pumping at treatment plants	Develop new allocation symbol G "Treatment Labor" based on hours of labor spent each year at each treatment plant on pumping facilities.	Allocates treatment labor costs to treatment and transmission	Revised Schedule RFC 4-A
3	DIV 2-1 (c)	Customer Service revenue	Include Customer Service Revenues as an offset	Reduces revenue requirements for transmission and distribution cost categories.	Revised Schedule RFC 2
4	DIV 2-5	T&D Mains Allocation	Allocate all lines 16" or greater in diameter to Transmission	Reduces allocation of costs to transmission for allocation symbol D.	Revised Schedule RFC 4-A
5	DIV 2-6	Source of Supply Mains in Allocation Symbol I	Add Source of Supply Mains to calculation of allocation percentages for Allocation Symbol I	Increases allocation of debt service to Supply and Treatment functional category.	Revised Schedule RFC 4-A
6	DIV 2-9/PWFD 1-34	Calculation of max hour flows in Allocation Symbol B	Set max hour flow equal to the average of the max hour flows for FY 2000 - FY 2002.	Increases allocation of costs to transmission.	Revised Schedule RFC 4-A
7	DIV 2-11 and 2-12	Calculation of residential and governmental max month flows	Revise average rate for max month flows in Revised Schedule RFC 5-D and monthly average consumption in Revised Schedule RFC 5-C1 for residential and governmental classes.	Increases residential and governmental max month ratio.	Revised Schedule RFC 5-D Revised Schedule RFC 5-C1
8	PWFD 1-23	FY 2003 debt service	Eliminate FY 2003 debt service from calculation of average debt service.	Decreases average debt service and annual amount to be recovered through rates for debt service restricted account.	Revised Schedule RFC 11
9	PWFD 1-42/Christopher P.N. Woodcock Testimony p. 22	Plant Use	Plant use excluded from calculation of lost and unaccounted for water.	Decreases allocation of supply and treatment costs to the Navy and PWFD.	Revised Schedule RFC 3-A Revised Schedule RFC 3 Table 3d
10	PWFD 3-6/PWFD 1-27	Labor for Customer Accounts	Include new Allocation Symbol CL to include labor for meters and services. Assign Allocation Symbol CL to Personnel expenses under the Customer Accounts and Customer Service accounts.	Reallocates costs among meters and services and customer costs categories that are recovered through the base charge. No net effect.	Revised Schedule RFC 4 Revised Schedule RFC 1-A

City of Newport, Rhode Island
Rhode Island Public Utilities Commission Rate Filing Docket #3578

Rebuttal Testimony

List of Revisions to Cost Allocation Model

RFC Revisions Table

Number Change	Data Request/Testimony Comment	Topic/Issue	Revisions	Effect	Revised Schedules and Links to Revisions
11	PWFD 3-7 (c)	More recent fixed asset data	Include fixed asset and depreciation information as of 6/30/2003.		Revised Schedule RFC 4-A
12	Thomas S. Catlin Testimony p. 7	Update number of fire connections	Use updated fire connection information consistent with Schedule KLG PWFD 20.1.	Increases the number of equivalent accounts.	Revised Schedule RFC 8-A
13	Thomas S. Catlin Testimony p. 29 /Christopher P.N. Woodcock Testimony p. 16, 18	Allocation Symbol J	Base allocations on fixed asset data as of June 30, 2003. Allocate costs only to functional categories.	Increases allocation of IFR costs to Supply and Treatment.	Revised Schedule RFC 4-A
14	Thomas S. Catlin Testimony p. 31	Billing component to fire protection charge	Allocate portion of meters and services and customer costs categories to fire protection based on proportion of fire protection bills relative to total amount of water service bills.		Revised Schedule RFC 10
15	Thomas S. Catlin Testimony p. 34	3/4" and 1" private fire connection charge	Added private fire connection charge. Same charge applies for all connections up to 1".		Revised Schedule RFC 8
16	Division Testimony p.11	Regulatory Reporting Costs	Applied downward adjustment to rate case expense, (\$8,700), to line items 238 and 225 in Administration and Customer Accounts accounts in Revised Schedule RFC 1-A. Adjustments to each line item are based on proportion of line item costs for regulatory reporting costs per books.	Decrease Rate Year amounts for line items 225 and 238.	Revised Schedule RFC 1-A Revised Schedule RFC 1-A
17		Addition of Revised Schedule RFC 6-A	Comparison of Revenues and Expenses between revised and initial filings.		Revised Schedule RFC 6-A
18	Thomas S. Catlin Testimony p.18	Removal of Depth Survey from O&M expenses	Decrease line item 220, Consultant Fees, under Source of Supply-Island account by \$50,000 for depth surveys and move to CIP. Input Depth Survey project in Revised Schedule RFC 11 in the amount of \$50,000 for FY 2004 and FY 2005.	Decrease O&M costs allocated to Supply & Treatment by \$49,500. Increase rate funding of Capital Spending restricted accounts by \$16,667.	Revised Schedule RFC 1-A Revised Schedule RFC 11
19	Thomas S. Catlin Testimony p.18	Removal of Vulnerability Assessment from O&M expenses	Decrease line item 282, Regulatory Expenses, under Administration account by \$85,000 for vulnerability assessment and move to CIP. Input Vulnerability Assessment project in Revised Schedule RFC 11 in the amount of \$34,000 for FY 2004 and \$51,000 in FY 2005.	Decreases O&M costs in all cost categories by a total of \$85,000. Increase rate funding of Capital Spending restricted accounts by \$14,167.	Revised Schedule RFC 1-A Revised Schedule RFC 11
20	Thomas S. Catlin Testimony p.18	Removal of Reservoir Road Tank from O&M expenses.	Decrease line item 275, Repair & Maintenance-Equipment, under Transmission and Distribution Maintenance account by \$40,000 for repairs to Reservoir Road tanks and move to CIP. Input Reservoir Road tank project in Revised Schedule RFC 11 in the amount of \$40,000 for FY 2004.	Decreases O&M costs in Transmission, Distribution, and Fire Protection cost categories by a total of \$58,000. Increase rate funding of Capital Spending restricted account by \$9,667.	Revised Schedule RFC 1-A Revised Schedule RFC 11

City of Newport, Rhode Island
Rhode Island Public Utilities Commission Rate Filing Docket #3578

Rebuttal Testimony

List of Revisions to Cost Allocation Model

RFC Revisions Table

Number Change	Data Request/Testimony Comment	Topic/Issue	Revisions	Effect	Revised Schedules and Links to Revisions
21		Addition of Revised Schedule RFC 5-C1a	Shows the calculation of max monthly demand by customer class		Revised Schedule RFC 5-C1a
22	Thomas S. Catlin Testimony p.17/Christopher P.N. Woodcock Testimony p. 13	Line Item 265 - Wastewater Charge	Exclude Wastewater Charge, \$104,000, as an O&M expense in the Rate Year	Decreases O&M expense allocated to Supply & Treatment functional category by \$104,000.	Revised Schedule RFC 1-A
23	Thomas S. Catlin Testimony p.10/Christopher P.N. Woodcock Testimony p. 10	Line Item 220 - Consultant Fees	Distribute total cost of \$200,000 over two years resulting in \$100,000 to be recovered through rates during Rate Year.	Decreases O&M costs in all cost categories by a total of \$100,000.	Revised Schedule RFC 1-A
24	Thomas S. Catlin Testimony p.18	Line Item 251 - Telephone & Communication	Adjust \$15,000 downward \$4,800 to \$10,200.	Decreases O&M costs in all cost categories by a total of \$4,800.	Revised Schedule RFC 1-A
25	Thomas S. Catlin Testimony p.14	Line Item 335 - Chemicals	Adjust downward a total of \$59,130.	Decreases O&M costs in Supply & Treatment	Revised Schedule RFC 1-A
26	DIV 1-47	FY 2003 Consumption Data by Block	Input FY 2003 block consumption into Revised Schedule RFC 5-C2	Decreases projected block consumption for FY 2004	Revised Schedule RFC 5-C2

Summary Revenue Requirements By Account

Account	Test Year (1)	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year (2)
Administration	\$ 1,049,941	\$ (169,600)	\$ 880,341	\$ 273,957	\$ 1,154,298
Customer Accounts	450,804	4,069	454,873	23,072	477,945
Customer Services	54	-	54	(54)	-
Source of Supply - Island	404,899	-	404,899	(6,884)	398,015
Source of Supply - Mainland	93,557	(7,174)	86,383	(6,883)	79,500
Treatment - Newport Plant	1,220,032	-	1,220,032	(31,072)	1,188,960
Pumping - Newport Plant	-	-	-	-	-
Treatment - Lawton Valley	828,392	64,147	892,539	67,316	959,855
Pumping - Lawton Valley	-	-	-	-	-
Water Laboratory	181,923	1,081	183,004	16,343	199,347
Transmission & Distribution Maintenance	723,964	(21,309)	702,655	68,958	771,613
Fire Protection	-	-	-	14,000	14,000
Total Operating Rev. Reqts	\$ 4,953,566	\$ (128,786)	\$ 4,824,780	\$ 418,753	\$ 5,243,533
Total Capital Rev. Reqts (4)	3,425,072	606,401	4,031,473	(1,067,991)	2,463,482
Total Revenue Requirements	8,378,638	477,615	8,856,253	(649,238)	7,707,015
Additional Rev Req. (5)	125,680	7,164	132,844	(9,739)	115,605
Total Cost of Service	8,504,318	484,779	8,989,097	(658,977)	7,822,620
Offsets to Rev. Reqts. (6)	(208,052)	-	(208,052)	-	(246,100)
Net Cost of Service	\$ 8,296,266	\$ 484,779	\$ 8,781,045	\$ (658,977)	\$ 7,576,520

NWD Rate Year					
Functional Categories			Other Categories		
Supply & Treatment (3)	Transmission (3)	Distribution (3)	Meters & Services	Customer Costs	Fire Protection
\$ 650,734	\$ 76,409	\$ 130,883	\$ 106,629	\$ 116,367	\$ 73,276
-	-	-	324,555	151,464	1,926
-	-	-	-	-	-
394,035	-	-	-	-	3,980
78,705	-	-	-	-	795
975,831	159,245	-	-	-	53,883
-	-	-	-	-	-
800,738	119,760	-	-	-	39,357
-	-	-	-	-	-
197,354	-	-	-	-	1,993
-	103,482	465,188	20,000	-	182,943
-	-	-	-	-	14,000
\$ 3,097,397	\$ 458,897	\$ 596,071	\$ 451,184	\$ 267,831	\$ 372,153
1,552,825	170,144	463,002	71,699	12,675	193,137
4,650,223	629,041	1,059,073	522,883	280,506	565,290
69,169	10,813	13,151	9,741	4,282	8,449
4,719,391	639,854	1,072,224	532,623	284,788	573,740
(69,759)	(19,271)	(72,212)	(3,774)	(49,457)	(31,627)
\$ 4,649,632	\$ 620,583	\$ 1,000,012	\$ 528,849	\$ 235,331	\$ 542,113

- (1) Test Year covers the period from April 1, 2002 to March 31, 2003.
- (2) Rate Year is based on FY 2004 Budget for the Newport Water Fund.
- (3) Supply and Treatment, Transmission, and Distribution O&M Costs as allocated are carried forward to Revised Schedule RFC 3 to determine Net Revenue Requirements of each Functional Category by customer class.
- (4) Capital Revenue Requirements for Rate Year consists of rate funding of Debt Service and Capital Spending Restricted Accounts.
- (5) Additional 1.5% of Total Revenue Requirements allowed as income cushion per Rhode Island PUC.
- (6) See Revised Schedule RFC 2, "Revenue Offsets", for further detail.

Summary Operating Revenue Requirements By Line Item

Budget Line Item	NWD Rate Year											
	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocate	Functional Categories			Other Categories		
							Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
999 Allow for Uncollectables	-	-	-	30,000	30,000	H	17,950	2,806	3,413	2,528	1,111	2,193
001 Salaries & Wages	1,443,770	-	1,443,770	370,089	1,813,859	L	1,107,709	62,224	247,107	237,097	59,274	100,447
002 Overtime	172,944	(21,309)	151,635	(18,635)	133,000	L	82,218	6,039	24,757	8,000	2,000	9,986
003 Holiday Pay	11,790	-	11,790	210	12,000	G	11,890	110	-	-	-	-
004 Temporary/Seasonal Wages	8,065	-	8,065	6,935	15,000	A	14,850	-	-	-	-	150
009 Vacation & Sick Pay	280,170	-	280,170	(280,170)	-	L	-	-	-	-	-	-
044 Standby Salaries	9,291	-	9,291	109	9,400	L	5,825	321	1,274	1,169	292	518
056 Injury Pay	3,732	-	3,732	(3,732)	-	L	-	-	-	-	-	-
100 Employee Insurance Coverage	593,665	-	593,665	153,382	747,047	CL	471,596	24,496	96,104	92,558	23,139	39,155
103 Retiree Insurance Coverage	134,568	-	134,568	19,190	153,758	L	95,278	5,256	20,840	19,123	4,781	8,480
105 Workers Compensation	27,966	-	27,966	8,434	36,400	L	22,556	1,244	4,934	4,527	1,132	2,008
205 Copy & Binding	273	-	273	1,427	1,700	C	-	-	-	-	1,656	44
207 Legal Advertisement	1,199	-	1,199	301	1,500	L	929	51	203	187	47	83
210 Dues & Subscriptions	1,751	-	1,751	(151)	1,600	L	991	55	217	199	50	88
212 Conferences and Training	5,017	-	5,017	6,983	12,000	L	7,179	619	2,747	249	62	1,144
214 Tuition Reimbursement	415	-	415	585	1,000	L	620	34	136	124	31	55
215 Recruitment	-	-	-	-	-	L	-	-	-	-	-	-
220 Consultant Fees (1)	145,239	-	145,239	(45,239)	100,000	H	59,832	9,354	11,376	8,426	3,704	7,309
225 Support Services	17,119	-	17,119	6,881	24,000	H	-	1,377	6,189	-	13,641	2,793
238 Postage & Delivery	39,494	-	39,494	(12,494)	27,000	H	2,992	468	569	421	21,620	930
239 Fire & Liability Insurance	89,471	-	89,471	339	89,810	H	56,941	7,415	10,023	6,404	2,815	6,212
245 Pollution Monitoring Fees	-	-	-	-	-	A	-	-	-	-	-	-
251 Telephone & Communication	7,735	7,265	15,000	(4,800)	10,200	H	6,103	954	1,160	859	378	746
254 Electricity	345,414	(8,209)	337,205	41,795	379,000	H	97,433	205,895	6,025	337	148	69,161
255 Natural Gas	51,382	(1,122)	50,260	(4,060)	46,200	H	43,190	589	806	506	222	887
260 Rental Equip & Facilities	817	-	817	1,933	2,750	H	1,934	139	395	63	28	192
261 Property Taxes	177,522	-	177,522	37,478	215,000	H	128,638	20,110	24,458	18,116	7,964	15,714
265 Newport Sewer Charge (1)	159,718	-	159,718	(15,718)	144,000	A	142,560	-	-	-	-	1,440
266 Legal & Administrative (2)	227,281	(117,857)	109,424	3,276	112,700	H	67,430	10,541	12,821	9,496	4,174	8,237
267 Data Processing (2)	158,905	(80,176)	78,729	2,371	81,100	C	-	-	-	-	79,018	2,082
268 Mileage Reimbursement	1,368	-	1,368	132	1,500	L	929	51	203	187	47	83
270 Office Machinery Service	-	-	-	-	-	H	-	-	-	-	-	-
271 Equipment Service Charge	101,149	-	101,149	10,590	111,739	H	26,816	9,163	40,756	120	18,079	16,805
274 Repair & Maint - Property	-	-	-	-	-	H	-	-	-	-	-	-
275 Repair & Maint - Equipment	115,278	-	115,278	38,422	153,700	H	28,933	66,420	12,515	101	5,891	39,840
276 Repair & Maint - Vehicles	-	-	-	-	-	A	-	-	-	-	-	-
277 Reservoir Maintenance	27,373	1,035	28,408	1,592	30,000	A	29,700	-	-	-	-	300
281 Regulatory Assessment	70,540	14,460	85,000	-	85,000	H	64,566	4,677	5,688	4,213	1,852	4,004
295 Main Maintenance	39,348	-	39,348	25,652	65,000	D	-	8,949	40,230	-	-	15,821
296 Service Maintenance	13,048	-	13,048	6,952	20,000	M	-	-	-	20,000	-	-
297 Hydrant Maintenance	3,935	-	3,935	(3,935)	-	F	-	-	-	-	-	-
298 Gate Maintenance	-	-	-	5,000	5,000	D	-	688	3,095	-	-	1,217
299 Meter Maintenance	5,931	4,069	10,000	1,000	11,000	M	-	-	-	11,000	-	-

Summary Operating Revenue Requirements By Line Item (Continued)

Budget Line Item	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocate	NWD Rate Year					
							Functional Categories			Other Categories		
							Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
302 Lubricants	-	-	-	-	-	A	-	-	-	-	-	-
305 Household Supplies	-	-	-	-	-	H	-	-	-	-	-	-
311 Specialized Agency Supplies	35,961	-	35,961	34,039	70,000	H	56,193	2,315	6,189	-	1,949	3,355
313 Medical Supplies	-	-	-	-	-	A	-	-	1	0	0	0
320 Clothing/Protective Gear	1,287	-	1,287	913	2,200	C	1,188	-	-	-	974	38
322 Clothing/Protective Gear	1,723	-	1,723	1,477	3,200	A	1,188	275	1,238	-	-	499
335 Chemicals	353,951	64,147	418,098	(35,228)	382,870	A	379,041	-	-	-	-	3,829
339 Laboratory Supplies	10,443	-	10,443	(443)	10,000	A	9,900	-	-	-	-	100
345 Building Materials	-	-	-	-	-	A	-	-	-	-	-	-
347 Grounds Maintenance Supplies	-	-	-	-	-	A	-	-	-	-	-	-
350 Equipment Parts	-	-	-	-	-	A	-	-	-	-	-	-
361 General Office Supplies	11,072	-	11,072	5,928	17,000	H	10,171	1,590	1,934	1,432	630	1,243
282 Regulatory Expense	-	-	-	20,000	20,000	H	11,966	1,871	2,275	1,685	741	1,462
363 Computer Supplies	360	-	360	(60)	300	H	-	-	-	-	292	8
380 Customer Service Supplies	54	-	54	4,946	5,000	C	-	-	-	0	4,872	128
410 Reference Materials	-	-	-	-	-	A	-	-	-	-	-	-
561 Self Insurance	14,089	5,911	20,000	-	20,000	H	11,966	1,871	2,275	1,685	741	1,462
563 Unemployment Insurance	-	3,000	3,000	-	3,000	L	1,859	103	407	373	93	165
565 Annual Leave Buy-back	31,943	-	31,943	(4,943)	27,000	L	16,335	826	3,714	-	4,384	1,741
777 Contribution to Fund Balance	-	-	-	-	-	L	-	-	-	-	-	-
Total Operating Rev. Reqts	4,953,566	(128,786)	4,824,780	418,753	5,243,533		3,097,397	458,897	596,071	451,184	267,833	372,153

Summary Debt Service and Capital Outlay By Line Item

Budget Line Item	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocate	NWD Rate Year					
							Functional Categories			Other Categories		
							Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
401 Equipment Depreciation	1,033,693	-	1,033,693	66,307	1,100,000	I	697,828	68,796	209,235	25,220	-	98,920
451 General Debt Principal	685,000	610,000	1,295,000	5,139	1,300,139	I	824,794	81,314	247,304	29,809	-	116,918
452 General Debt Interest	448,192	-	448,192	(24,819)	423,373	I	268,583	26,479	80,531	9,707	-	38,073
454 City Advance Interest	-	-	-	-	-	I	-	-	-	-	-	-
459 Floating Debt Expense	-	-	-	-	-	I	-	-	-	-	-	-
460 Debt Service Reserve	-	-	-	-	-	I	-	-	-	-	-	-
420 Equipment	-	-	-	-	-	I	-	-	-	-	-	-
600 Transfer to Equip. Replace	-	-	-	73,586	73,586	I	46,682	4,602	13,997	1,687	-	6,617
424 Office Machinery	-	-	-	-	-	I	-	-	-	-	-	-
430 Capital Studies	1,685	-	1,685	(1,685)	-	I	-	-	-	-	-	-
998 Payment to General Fund (1)	-	-	-	500,000	500,000	H	299,159	46,768	56,880	42,130	18,520	36,544
824 IFR Equipment	36,174	-	36,174	292,826	329,000	I	208,996	21,228	65,033	6,855	-	26,888
441 Meters & Pits	-	-	-	-	-	M	-	-	-	-	-	-
435 Other Improvements	2,209,422	-	2,209,422	335,578	2,545,000	I	1,614,521	159,170	484,093	58,350	-	228,866
463 Lease Purchase Principal	-	-	-	-	-	I	-	-	-	-	-	-
465 UDAG Loan Principal	-	-	-	-	-	I	-	-	-	-	-	-
466 UDAG Loan Interest	-	-	-	-	-	I	-	-	-	-	-	-
835 IFR Improvements	-	-	-	1,164,000	1,164,000	I	748,565	96,253	309,702	1,926	-	7,554
440 Mains & Gates	-	-	-	-	-	I	-	-	-	-	-	-
842 Fire Hydrants	44,599	(3,599)	41,000	-	41,000	I	26,010	2,564	7,799	940	-	3,687
	4,458,765	606,401	5,065,166	2,410,932	7,476,098		4,735,139	507,174	1,474,572	176,624	18,520	564,069

(1) The Water Fund has received over the years a total of \$2.5 million in order to meet revenue shortfalls. A five-year plan to repay this amount back to the General Fund has been included in the revenue requirements.

Detail Revenue Requirements

Revised Schedule RFC 1- A

							NWD Rate Year					
							Functional Categories			Other Categories		
Account Detail	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocate	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
Administration												
Account No. 15-500-2200												
Personnel												
001 Salaries & Wages	\$ 66,149	\$ -	\$ 66,149	\$ 81,146	\$ 147,295	L	\$ 91,273	\$ 5,036	\$ 19,964	\$ 18,319	\$ 4,580	\$ 8,124
002 Overtime	-	-	-	-	-	L	-	-	-	-	-	-
009 Vacation & Sick Pay	11,148	-	11,148	(11,148)	-	L	-	-	-	-	-	-
044 Standby Salaries	9,291	-	9,291	109	9,400	L	5,825	321	1,274	1,169	292	518
056 Injury Pay	-	-	-	-	-	L	-	-	-	-	-	-
100 Employee Insurance Coverage	15,020	-	15,020	31,455	46,475	L	28,799	1,589	6,299	5,780	1,445	2,563
103 Retiree Insurance Coverage	134,568	-	134,568	19,190	153,758	L	95,278	5,256	20,840	19,123	4,781	8,480
105 Workers Compensation	27,966	-	27,966	8,434	36,400	L	22,556	1,244	4,934	4,527	1,132	2,008
Subtotal	\$ 264,142	\$ -	\$ 264,142	\$ 129,186	\$ 393,328		\$ 243,730	\$ 13,447	\$ 53,310	\$ 48,918	\$ 12,230	\$ 21,694
Other Operating												
999 Allow for Uncollectables	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000	H	\$ 17,950	\$ 2,806	\$ 3,413	\$ 2,528	\$ 1,111	\$ 2,193
207 Legal Advertisement	1,199	-	1,199	301	1,500	L	929	51	203	187	47	83
210 Dues & Subscriptions	1,751	-	1,751	(151)	1,600	L	991	55	217	199	50	88
212 Conferences and Training	934	-	934	1,066	2,000	L	1,239	68	271	249	62	110
214 Tuition Reimbursement	415	-	415	585	1,000	L	620	34	136	124	31	55
215 Recruitment	-	-	-	-	-	L	-	-	-	-	-	-
220 Consultant Fees (1)	145,239	-	145,239	(45,239)	100,000	H	59,832	9,354	11,376	8,426	3,704	7,309
225 Support Services	\$ -	\$ -	\$ -	\$ -	\$ -	H	-	-	-	-	-	-
238 Postage & Delivery	1,916	-	1,916	3,084	5,000	H	2,992	468	569	421	185	365
239 Fire & Liability Insurance	75,687	-	75,687	313	76,000	H	45,472	7,109	8,646	6,404	2,815	5,555
251 Telephone & Communication	7,735	7,265	15,000	(4,800)	10,200	H	6,103	954	1,160	859	378	746
254 Electricity	4,839	-	4,839	(839)	4,000	H	2,393	374	455	337	148	292
255 Natural Gas	7,122	(1,122)	6,000	-	6,000	H	3,590	561	683	506	222	439
260 Rental Equip & Facilities	246	-	246	504	750	H	449	70	85	63	28	55
261 Property Taxes	86,000	-	86,000	129,000	215,000	H	128,638	20,110	24,458	18,116	7,964	15,714
266 Legal & Administrative (2)	227,281	(117,857)	109,424	3,276	112,700	H	67,430	10,541	12,821	9,496	4,174	8,237
267 Data Processing (2)	158,905	(80,176)	78,729	2,371	81,100	C	-	-	-	-	79,018	2,082
268 Mileage Reimbursement	1,368	-	1,368	132	1,500	L	929	51	203	187	47	83
270 Office Machinery Service	-	-	-	-	-	H	-	-	-	-	-	-
271 Equipment Service Charge	2,898	-	2,898	(1,478)	1,420	H	850	133	162	120	53	104
274 Repair & Maint - Property	-	-	-	-	-	H	-	-	-	-	-	-
275 Repair & Maint - Equipment	482	-	482	718	1,200	H	718	112	137	101	44	88
281 Regulatory Assessment	36,621	13,379	50,000	-	50,000	H	29,916	4,677	5,688	4,213	1,852	3,654
305 Household Supplies	-	-	-	-	-	H	-	-	-	-	-	-
311 Specialized Agency Supplies	-	-	-	-	-	H	-	-	-	-	-	-
361 General Office Supplies	11,072	-	11,072	5,928	17,000	H	10,171	1,590	1,934	1,432	630	1,243
282 Regulatory Expense	-	-	-	20,000	20,000	H	11,966	1,871	2,275	1,685	741	1,462
363 Computer Supplies	-	-	-	-	-	H	-	-	-	-	-	-
561 Self Insurance	14,089	5,911	20,000	-	20,000	H	11,966	1,871	2,275	1,685	741	1,462
563 Unemployment Insurance	-	3,000	3,000	-	3,000	L	1,859	103	407	373	93	165
565 Annual Leave Buy-back	-	-	-	-	-	L	-	-	-	-	-	-
777 Contribution to Fund Balance	-	-	-	-	-	L	-	-	-	-	-	-
Subtotal	\$ 785,799	\$ (169,600)	\$ 616,199	\$ 144,771	\$ 760,970		\$ 407,005	\$ 62,963	\$ 77,572	\$ 57,710	\$ 104,137	\$ 51,583
O Administration Operating Rev Reqts.	1,049,941	(169,600)	880,341	273,957	1,154,298		650,734	76,409	130,883	106,629	116,367	73,276

(1) Financial Consultant and Attorney fees related to PUC Rate Filing (Instant Rate Case). Rate Year represents unrecovered amount at beginning of Rate Year, total of \$200,000 to be distributed equally over two years. All expenses shown for the Test Year have been recovered.

(2) These accounts are fees paid to the General Fund for services provided by the Finance Dept and City Solicitor's office.

							NWD Rate Year					
							Functional Categories			Other Categories		
							Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
Administration	Test Year	Normalized Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation						
Account No. 15-500-2200												
<u>Debt Service and Capital Outlay</u>												
401 Equipment Depreciation	-	-	-	-	-	I	-	-	-	-	-	-
451 General Debt Principal	-	-	-	-	-	I	-	-	-	-	-	-
452 General Debt Interest	-	-	-	-	-	I	-	-	-	-	-	-
454 City Advance Interest	-	-	-	-	-	I	-	-	-	-	-	-
459 Floating Debt Expense	-	-	-	-	-	I	-	-	-	-	-	-
460 Debt Service Reserve	-	-	-	-	-	I	-	-	-	-	-	-
420 Equipment	-	-	-	-	-	I	-	-	-	-	-	-
600 Transfer to Equip. Replace	-	-	-	73,586	73,586	I	46,682	4,602	13,997	1,687	-	6,617
424 Office Machinery	-	-	-	-	-	I	-	-	-	-	-	-
430 Capital Studies	1,685	-	1,685	(1,685)	-	I	-	-	-	-	-	-
998 Payment to General Fund (1)	-	-	-	500,000	500,000	H	299,159	46,768	56,880	42,130	18,520	36,544
824 IFR Equipment	-	-	-	254,000	254,000	I	161,135	15,886	48,314	5,824	-	22,842
Subtotal	\$ 1,685	\$ -	\$ 1,685	\$ 825,901	\$ 827,586		\$ 506,976	\$ 67,256	\$ 119,191	\$ 49,640	\$ 18,520	\$ 66,003
C Administration Capital Rev. Reqts.	\$ 1,685	\$ -	\$ 1,685	\$ 825,901	\$ 827,586		\$ 506,976	\$ 67,256	\$ 119,191	\$ 49,640	\$ 18,520	\$ 66,003

(1) The Water Fund has received over the years a total of \$2.5 million in order to meet revenue shortfalls. A five-year plan to repay this amount back to the General Fund has been included in the revenue requirements.

								NWD Rate Year					
								Functional Categories			Other Categories		
								Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation								
Customer Accounts													
Account No. 15-500-2209													
<u>Personnel</u>													
001	Salaries & Wages	\$ 213,833	\$ -	\$ 213,833	\$ 59,639	\$ 273,472	CL	\$ -	\$ -	\$ -	\$ 218,778	\$ 54,694	\$ -
002	Overtime	-	-	-	10,000	10,000	CL	-	-	-	8,000	2,000	-
009	Vacation & Sick Pay	64,678	-	64,678	(64,678)	-	CL	-	-	-	-	-	-
056	Injury Pay	517	-	517	(517)	-	CL	-	-	-	-	-	-
100	Employee Insurance Coverage	90,705	-	90,705	17,767	108,472	CL	-	-	-	86,778	21,694	-
Subtotal		\$ 369,733	\$ -	\$ 369,733	\$ 22,211	\$ 391,944		\$ -	\$ -	\$ -	\$ 313,555	\$ 78,389	\$ -
<u>Other Operating</u>													
205	Copy & Binding	\$ 273	\$ -	\$ 273	\$ 1,427	\$ 1,700	C	\$ -	\$ -	\$ -	\$ -	\$ 1,656	\$ 44
225	Support Services	16,857	-	16,857	(2,857)	14,000	C	-	-	-	-	13,641	359
238	Postage & Delivery	37,578	-	37,578	(15,578)	22,000	C	-	-	-	-	21,435	565
271	Equipment Service Charge	15,113	-	15,113	3,388	18,501	C	-	-	-	-	18,026	475
275	Repair & Maint - Equipment	-	-	-	6,000	6,000	C	-	-	-	-	5,846	154
299	Meter Maintenance	5,931	4,069	10,000	1,000	11,000	M	-	-	-	11,000	-	-
311	Specialized Agency Supplies	924	-	924	1,076	2,000	C	-	-	-	-	1,949	51
320	Clothing/Protective Gear	564	-	564	436	1,000	C	-	-	-	-	974	26
363	Computer Supplies	360	-	360	(60)	300	C	-	-	-	-	292	8
380	Customer Service Supplies	-	-	-	5,000	5,000	C	-	-	-	-	4,872	128
565	Annual Leave Buy-back	3,471	-	3,471	1,029	4,500	C	-	-	-	-	4,384	116
Subtotal		\$ 81,071	\$ 4,069	\$ 85,140	\$ 861	\$ 86,001		\$ -	\$ -	\$ -	\$ 11,000	\$ 73,075	\$ 1,926
O	Cust. Accounts Operating Rev. Reqts.	450,804	4,069	454,873	23,072	477,945		-	-	-	324,555	151,464	1,926
<u>Debt Service and Capital Outlay</u>													
401	Equipment Depreciation	\$ -	\$ -	\$ -	\$ -	\$ -	I	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
600	Transfer to Equip Replace	-	-	-	-	-	I	-	-	-	-	-	-
824	IFR Equipment	28,797	-	28,797	16,203	45,000	I	28,548	2,814	8,560	1,032	-	4,047
Subtotal		\$ 28,797	\$ -	\$ 28,797	\$ 16,203	\$ 45,000		\$ 28,548	\$ 2,814	\$ 8,560	\$ 1,032	\$ -	\$ 4,047
C	Cust. Accounts Capital Rev. Reqts.	28,797	-	28,797	16,203	45,000		28,548	2,814	8,560	1,032	-	4,047

							NWD Rate Year						
							Functional Categories			Other Categories			
							Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection	
	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocate							
Customer Services													
Account No. 15-500-2250													
<u>Personnel</u>													
001	Salaries & Wages	\$ -	\$ -	\$ -	\$ -	-	CL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100	Employee Insurance	-	-	-	-	-	CL	-	-	-	-	-	-
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Other Operating</u>													
380	Customer Service Supplies	\$ 54	\$ -	\$ 54	\$ (54)	\$ -	M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Subtotal	\$ 54	\$ -	\$ 54	\$ (54)	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
O	Customer Services Operating Rev. Reqts.	54	-	54	(54)	-							
<u>Debt Service and Capital Outlay</u>													
441	Meters & Pits	\$ -	\$ -	\$ -	\$ -	\$ -	M	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C	Customer Services Capital Rev. Reqts.	-	-	-	-	-		-	-	-	-	-	-

								NWD Rate Year					
								Functional Categories			Other Categories		
								Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
Source of Supply - Island	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation							
Account No. 15-500-2212													
<u>Personnel</u>													
001 Salaries & Wages	\$ 163,991	\$ -	\$ 163,991	\$ 35,972	\$ 199,963	A	\$ 197,963	\$ -	\$ -	\$ -	\$ -	\$ 2,000	
002 Overtime	17,017	-	17,017	(2,017)	15,000	A	14,850	-	-	-	-	150	
004 Temporary/Seasonal Wages	-	-	-	-	-	A	-	-	-	-	-	-	
009 Vacation And Sick Pay	32,293	-	32,293	(32,293)	-	A	-	-	-	-	-	-	
056 Injury Pay	2,402	-	2,402	(2,402)	-	A	-	-	-	-	-	-	
100 Employee Insurance Coverage	72,731	-	72,731	14,950	87,681	A	86,804	-	-	-	-	877	
Subtotal	\$ 288,434	\$ -	\$ 288,434	\$ 14,210	\$ 302,644		\$ 299,618	\$ -	\$ -	\$ -	\$ -	\$ 3,026	
<u>Other Operating</u>													
220 Consultant Fees	\$ -	\$ -	\$ -	\$ -	\$ -	A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
239 Fire & Liability Insurance	-	-	-	-	-	A	-	-	-	-	-	-	
254 Electricity	6,786	-	6,786	9,214	16,000	A	15,840	-	-	-	-	160	
260 Rental - Equip. & Facilities	-	-	-	-	-	A	-	-	-	-	-	-	
261 Property Taxes	48,619	-	48,619	(48,619)	-	A	-	-	-	-	-	-	
271 Equipment Service Charge	15,170	-	15,170	5,701	20,871	A	20,662	-	-	-	-	209	
275 Repair & Maint - Equipment	789	-	789	4,211	5,000	A	4,950	-	-	-	-	50	
277 Reservoir Maintenance	23,408	-	23,408	592	24,000	A	23,760	-	-	-	-	240	
302 Lubricants	-	-	-	-	-	A	-	-	-	-	-	-	
311 Special Agency Supplies	4,349	-	4,349	(849)	3,500	A	3,465	-	-	-	-	35	
313 Medical Supplies	-	-	-	-	-	A	-	-	-	-	-	-	
322 Clothing/Protective Gear	-	-	-	-	-	A	-	-	-	-	-	-	
335 Chemicals	13,980	-	13,980	8,020	22,000	A	21,780	-	-	-	-	220	
345 Building Materials	-	-	-	-	-	A	-	-	-	-	-	-	
347 Grounds Maintenance Supplies	-	-	-	-	-	A	-	-	-	-	-	-	
350 Equipment Parts	-	-	-	-	-	A	-	-	-	-	-	-	
565 Annual Leave Buy-Back	3,364	-	3,364	636	4,000	A	3,960	-	-	-	-	40	
Subtotal	\$ 116,465	\$ -	\$ 116,465	\$ (21,094)	\$ 95,371		\$ 94,417	\$ -	\$ -	\$ -	\$ -	\$ 954	
O Supply-Island Ops. Rev. Reqts.	404,899	-	404,899	(6,884)	398,015		394,035	-	-	-	-	3,980	
<u>Debt Service and Capital Outlay</u>													
401 Equipment Depreciation	\$ -	\$ -	\$ -	\$ -	\$ -	I	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
420 Equipment	-	-	-	-	-	I	-	-	-	-	-	-	
600 Transfer to Equip Replace	-	-	-	-	-	I	-	-	-	-	-	-	
435 Other Improvements	56,884	-	56,884	(56,884)	-	I	-	-	-	-	-	-	
Subtotal	\$ 56,884	\$ -	\$ 56,884	\$ (56,884)	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
C Source of Supply - Island Capital Rev. Reqts.	56,884	-	56,884	(56,884)	-		-	-	-	-	-	-	

									NWD Rate Year						
									Functional Categories			Other Categories			
									Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection	
Source of Supply - Mainland	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation									
Account No. 15-500-2213															
<u>Personnel</u>															
002 Overtime	\$ 6,499	\$ -	\$ 6,499	\$ 3,501	\$ 10,000	A	\$ 9,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100		
004 Temporary/Seasonal Wages	8,065	-	8,065	1,935	10,000	A	9,900	-	-	-	-	-	100		
100 Employee Insurance Coverage	793	-	793	1,207	2,000	A	1,980	-	-	-	-	-	20		
Subtotal	\$ 15,357	\$ -	\$ 15,357	\$ 6,643	\$ 22,000		\$ 21,780	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 220		
<u>Other Operating</u>															
220 Consultant Fees	\$ -	\$ -	\$ -	\$ -	\$ -	A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
239 Fire & Liability Insurance	-	-	-	-	-	A	-	-	-	-	-	-	-		
254 Electricity	58,209	(8,209)	50,000	-	50,000	A	49,500	-	-	-	-	-	500		
261 Property Taxes	9,930	-	9,930	(9,930)	-	A	-	-	-	-	-	-	-		
275 Repair & Maint - Equip	71	-	71	929	1,000	A	990	-	-	-	-	-	10		
277 Reservoir Maintenance	3,965	1,035	5,000	1,000	6,000	A	5,940	-	-	-	-	-	60		
305 Household Supplies	-	-	-	-	-	A	-	-	-	-	-	-	-		
311 Specialized Agency Supplies	25	-	25	475	500	A	495	-	-	-	-	-	5		
335 Chemicals	6,000	-	6,000	(6,000)	-	A	-	-	-	-	-	-	-		
345 Building Materials	-	-	-	-	-	A	-	-	-	-	-	-	-		
350 Equipment Parts	-	-	-	-	-	A	-	-	-	-	-	-	-		
Subtotal	\$ 78,200	\$ (7,174)	\$ 71,026	\$ (13,526)	\$ 57,500		\$ 56,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 575		
Source of Supply - Mainland															
O Operating Rev. Reqts.	\$ 93,557	\$ (7,174)	\$ 86,383	\$ (6,883)	\$ 79,500		\$ 78,705	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 795		
<u>Debt Service and Capital Outlay</u>															
451 General Debt Principal	\$ -	\$ 610,000	\$ 610,000	\$ -	\$ 610,000	I	\$ 386,978	\$ 38,151	\$ 116,030	\$ 13,986	\$ -	\$ -	\$ 54,856		
452 General Debt Interest	328,982	-	328,982	(25,461)	303,521	I	192,551	18,983	57,734	6,959	-	-	27,295		
Subtotal	\$ 328,982	\$ 610,000	\$ 938,982	\$ (25,461)	\$ 913,521		\$ 579,528	\$ 57,134	\$ 173,764	\$ 20,945	\$ -	\$ -	\$ 82,151		
Source of Supply - Mainland															
C Capital Rev. Reqts.	\$ 328,982	\$ 610,000	\$ 938,982	\$ (25,461)	\$ 913,521		\$ 579,528	\$ 57,134	\$ 173,764	\$ 20,945	\$ -	\$ -	\$ 82,151		

								NWD Rate Year																
								Functional Categories			Other Categories													
								Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection											
								Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation											
Treatment - Newport Plant																								
Account No. 15-500-2222																								
Personnel																								
001	Salaries & Wages	\$	306,946	\$	-	\$	306,946	\$	52,726	\$	359,672	G	\$	356,375	\$	3,297	\$	-	\$	-	\$	-	\$	-
002	Overtime		62,997		-		62,997		(32,997)		30,000	G		29,725		275		-		-		-		-
003	Holiday Pay		6,895		-		6,895		(895)		6,000	G		5,945		55		-		-		-		-
009	Vacation and Sick Pay		44,680		-		44,680		(44,680)		-	G		-		-		-		-		-		-
100	Employee Insurance		130,994		-		130,994		29,234		160,228	G		158,759		1,469		-		-		-		-
Subtotal		\$	552,512	\$	-	\$	552,512	\$	3,388	\$	555,900		\$	550,804	\$	5,096	\$	-	\$	-	\$	-	\$	-
Other Operating																								
212	Conferences & Training	\$	1,325	\$	-	\$	1,325	\$	1,175	\$	2,500	A	\$	2,475	\$	-	\$	-	\$	-	\$	-	\$	25
220	Consultant Fees		-		-		-		-		-	A		-		-		-		-		-		-
239	Fire & Liability Insurance		5,585		-		5,585		-		5,585	A		5,529		-		-		-		-		56
254	Electricity-Treatment		17,175		-		17,175		1,325		18,500	A		18,315		-		-		-		-		185
254	Electricity-Pumping		154,573		-		154,573		11,927		166,500	B		-		125,974		-		-		-		40,526
255	Natural Gas		44,101		-		44,101		(24,101)		20,000	A		19,800		-		-		-		-		200
260	Rental - Equip & Facilities		451		-		451		549		1,000	A		990		-		-		-		-		10
265	Newport Sewer Charge (1)		159,718		-		159,718		(15,718)		144,000	A		142,560		-		-		-		-		1,440
271	Equipment Service Charge		2,316		-		2,316		1,364		3,680	A		3,643		-		-		-		-		37
274	Repair & Maint - Property		-		-		-		-		-	A		-		-		-		-		-		-
275	Repair & Maint-Equipment Treatment		9,477		-		9,477		(477)		9,000	A		8,910		-		-		-		-		90
275	Repair & Maint-Equipment Pumping		37,909		-		37,909		(1,909)		36,000	B		-		27,238		-		-		-		8,762
302	Lubricants-Treatment		-		-		-		-		-	A		-		-		-		-		-		-
302	Lubricants-Pumping		-		-		-		-		-	A		-		-		-		-		-		-
305	Household Supplies		-		-		-		-		-	A		-		-		-		-		-		-
311	Spec. Agency Supplies-Treat & Pump		13,566		-		13,566		12,434		26,000	AB		24,513		938		-		-		-		549
313	Medical Supplies		-		-		-		-		-	A		-		-		-		-		-		-
320	Clothing/Protective Gear		723		-		723		477		1,200	A		1,188		-		-		-		-		12
335	Chemicals		218,118		-		218,118		(23,523)		194,595	A		192,649		-		-		-		-		1,946
350	Equipment Parts-Treatment		-		-		-		-		-	A		-		-		-		-		-		-
350	Equipment Parts-Pumping		-		-		-		-		-	A		-		-		-		-		-		-
363	Computer Supplies		-		-		-		-		-	A		-		-		-		-		-		-
565	Annual Leave Buy-back		2,483		-		2,483		2,017		4,500	A		4,455		-		-		-		-		45
Subtotal		\$	667,520	\$	-	\$	667,520	\$	(34,460)	\$	633,060		\$	425,027	\$	154,149	\$	-	\$	-	\$	-	\$	53,883
O	Treatment - Newport Plant																							
	Operating Revenue Requirements		1,220,032		-		1,220,032		(31,072)		1,188,960			975,831		159,245		-		-		-		53,883

(1) This amount is based on the actual charge for Newport Station's residuals discharge to the City's Wastewater Treatment Facility ("WWTF").

							NWD Rate Year					
							Functional Categories			Other Categories		
	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
Treatment - Newport Plant												
Account No. 15-500-2222												
<u>Debt Service and Capital Outlay</u>												
424	Office Machinery	\$ -	\$ -	\$ -	\$ -	I	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
435	Other Improvements	82,788	-	82,788	617,212	I	444,073	43,780	133,149	16,049	-	62,949
463	Lease Purchase Principal	-	-	-	-	I	-	-	-	-	-	-
401	Equipment Depreciation	-	-	-	-	I	-	-	-	-	-	-
451	General Debt Principal	685,000	-	685,000	(60,000)	I	396,493	39,089	118,883	14,330	-	56,205
452	General Debt Interest	114,229	-	114,229	3,604	I	74,752	7,370	22,413	2,702	-	10,596
600	Transfer to Equip. Replace	-	-	-	-	I	-	-	-	-	-	-
465	UDAG Loan Principal	-	-	-	-	I	-	-	-	-	-	-
466	UDAG Loan Interest	-	-	-	-	I	-	-	-	-	-	-
	Subtotal	\$ 882,017	\$ -	\$ 882,017	\$ 560,816	\$ 1,442,833	\$ 915,318	\$ 90,238	\$ 274,446	\$ 33,080	\$ -	\$ 129,751
C	Treatment - Newport Plant											
	Capital Rev. Reqts.	882,017	-	882,017	560,816	1,442,833	915,318	90,238	274,446	33,080	-	129,751
Pumping - Newport Plant												
Account No. 15-500-2232												
O	Newport Plant Pumping Total	-	-	-	-	A	-	-	-	-	-	-

								NWD Rate Year																
								Functional Categories			Other Categories													
								Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection											
								Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocate											
Treatment - Lawton Valley																								
Account No. 15-500-2223																								
<u>Personnel</u>																								
001	Salaries & Wages	\$	322,249	\$	-	\$	322,249	\$	44,600	\$	366,849	G	\$	363,486	\$	3,363	\$	-	\$	-	\$	-	\$	-
002	Overtime		25,122		-		25,122		2,878		28,000	G		27,743		257		-		-		-		-
003	Holiday Pay		4,895		-		4,895		1,105		6,000	G		5,945		55		-		-		-		-
009	Vacation And Sick Pay		47,537		-		47,537		(47,537)		-	G		-		-		-		-		-		-
056	Injury Pay		-		-		-		-		-	G		-		-		-		-		-		-
100	Employee Insurance		129,151		-		129,151		30,202		159,353	G		157,892		1,461		-		-		-		-
	Subtotal	\$	528,954	\$	-	\$	528,954	\$	31,248	\$	560,202		\$	555,067	\$	5,135	\$	-	\$	-	\$	-	\$	-
<u>Other Operating</u>																								
212	Conferences & Training	\$	911	\$	-	\$	911	\$	2,589	\$	3,500	A	\$	3,465	\$	-	\$	-	\$	-	\$	-	\$	35
220	Consultant Fees (1)		-		-		-		-		-	A		-		-		-		-		-		-
239	Fire & Liability Insurance		5,974		-		5,974		26		6,000	A		5,940		-		-		-		-		60
245	Pollution Monitoring Fees		-		-		-		-		-	A		-		-		-		-		-		-
254	Electricity-Treatment		9,267		-		9,267		2,233		11,500	A		11,385		-		-		-		-		115
254	Electricity-Pumping		83,399		-		83,399		20,101		103,500	B		-		78,308		-		-		-		25,192
255	Natural Gas		-		-		-		20,000		20,000	A		19,800		-		-		-		-		200
260	Rental Equip. & Facilities		-		-		-		500		500	A		495		-		-		-		-		5
261	Property Taxes		-		-		-		-		-	A		-		-		-		-		-		-
265	Wastewater Charge		-		-		-		-		-	A		-		-		-		-		-		-
271	Equipment Service Charge		3,447		-		3,447		(1,769)		1,678	A		1,661		-		-		-		-		17
274	Repair & Maint - Property		-		-		-		-		-	A		-		-		-		-		-		-
275	Repair & Maint-Equipment Treatment		12,141		-		12,141		(141)		12,000	A		11,880		-		-		-		-		120
275	Repair & Maint-Equipment Pumping		48,566		-		48,566		(566)		48,000	B		-		36,317		-		-		-		11,683
276	Repair & Maint - Vehicles		-		-		-		-		-	A		-		-		-		-		-		-
302	Lubricants-Treatment		-		-		-		-		-	A		-		-		-		-		-		-
302	Lubricants-Pumping		-		-		-		-		-	B		-		-		-		-		-		-
305	Household Supplies		-		-		-		-		-	A		-		-		-		-		-		-
311	Specialized Agency Supplies		11,928		-		11,928		8,072		20,000	A		19,800		-		-		-		-		200
313	Medical Supplies		-		-		-		-		-	A		-		-		-		-		-		-
322	Clothing/Protective Gear		541		-		541		659		1,200	A		1,188		-		-		-		-		12
335	Chemicals		115,853		64,147		180,000		(13,725)		166,275	A		164,612		-		-		-		-		1,663
345	Building Materials		-		-		-		-		-	A		-		-		-		-		-		-
350	Equipment Parts-Treatment		-		-		-		-		-	A		-		-		-		-		-		-
350	Equipment Parts-Pumping		-		-		-		-		-	A		-		-		-		-		-		-
363	Computer Supplies		-		-		-		-		-	A		-		-		-		-		-		-
565	Annual Leave Buy-back		7,411		-		7,411		(1,911)		5,500	A		5,445		-		-		-		-		55
	Subtotal	\$	299,438	\$	64,147	\$	363,585	\$	36,068	\$	399,653		\$	245,671	\$	114,625	\$	-	\$	-	\$	-	\$	39,357
O	Treatment - Lawton Valley																							
	Operating Revenue Requirements	\$	828,392	\$	64,147	\$	892,539	\$	67,316	\$	959,855		\$	800,738	\$	119,760	\$	-	\$	-	\$	-	\$	39,357
<u>Debt Service and Capital Outlay</u>																								
401	Equipment Depreciation	\$	-	\$	-	\$	-	\$	-	\$	-	I	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
420	Equipment		-		-		-		-		-	I		-		-		-		-		-		-
424	Office Machinery		-		-		-		-		-	I		-		-		-		-		-		-
600	Transfer to Equip Replace		-		-		-		-		-	I		-		-		-		-		-		-
835	IFR Improvements		-		-		-		84,000		84,000	I		53,289		5,254		15,978		1,926		-		7,554
435	Other Improvements		2,069,750		-		2,069,750		(224,750)		1,845,000	I		1,170,448		115,390		350,943		42,301		-		165,917
	Subtotal	\$	2,069,750	\$	-	\$	2,069,750	\$	(140,750)	\$	1,929,000		\$	1,223,737	\$	120,644	\$	366,921	\$	44,227	\$	-	\$	173,470
C	Treatment - LV Capital Rev Reqts		2,069,750		-		2,069,750		(140,750)		1,929,000			1,223,737		120,644		366,921		44,227		-		173,470

										NWD Rate Year										
										Functional Categories			Other Categories							
										Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection					
Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocate															
Pumping - Lawton Valley																				
Account No. 15-500-2233																				
O	Lawton Valley Pumping Total									-	-	-	-	-	-					
Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocate	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection									
Water Laboratory																				
Account No. 15-500-2235																				
<u>Personnel</u>																				
001	Salaries & Wages	\$ 81,295	\$ -	\$ 81,295	\$ 18,313	\$ 99,608	A	\$ 98,612	\$ -	\$ -	\$ -	\$ -	\$ 996							
004	Temporary/Seasonal Wages	-	-	-	5,000	5,000	A	4,950	-	-	-	-	50							
009	Vacation and Sick Pay	15,620	-	15,620	(15,620)	-	A	-	-	-	-	-	-							
100	Employee Insurance Coverage	31,205	-	31,205	6,534	37,739	A	37,362	-	-	-	-	377							
	Subtotal	\$ 128,120	\$ -	\$ 128,120	\$ 14,227	\$ 142,347		\$ 140,924	\$ -	\$ -	\$ -	\$ -	\$ 1,423							
<u>Other Operating</u>																				
275	Repair & Maint - Equipment	\$ -	\$ -	\$ -	\$ 1,500	\$ 1,500	A	\$ 1,485	\$ -	\$ -	\$ -	\$ -	\$ 15							
281	Regulatory Assessment	33,919	1,081	35,000	-	35,000	A	34,650	-	-	-	-	350							
305	Household Supplies	-	-	-	-	-	A	-	-	-	-	-	-							
311	Spec Agency Supplies	6	-	6	7,994	8,000	A	7,920	-	-	-	-	80							
339	Laboratory Supplies	10,443	-	10,443	(443)	10,000	A	9,900	-	-	-	-	100							
350	Equipment Parts	-	-	-	-	-	A	-	-	-	-	-	-							
363	Computer Supplies	-	-	-	-	-	A	-	-	-	-	-	-							
410	Reference Materials	-	-	-	-	-	A	-	-	-	-	-	-							
565	Annual Leave Buy-back	9,435	-	9,435	(6,935)	2,500	A	2,475	-	-	-	-	25							
	Subtotal	\$ 53,803	\$ 1,081	\$ 54,884	\$ 2,116	\$ 57,000		\$ 56,430	\$ -	\$ -	\$ -	\$ -	\$ 570							
O	Water Laboratory Operating Rev. Reqts.									\$ 181,923	\$ 1,081	\$ 183,004	\$ 16,343	\$ 199,347	\$ 197,354	\$ -	\$ -	\$ -	\$ -	\$ 1,993
<u>Debt Service and Capital Outlay</u>																				
420	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	I	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
424	Office Machinery	-	-	-	-	-	I	-	-	-	-	-	-							
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
C	Water Lab. Capital Rev. Reqts.									\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

									NWD Rate Year					
									Functional Categories			Other Categories		
									Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation									
Transmission & Distribution Maintenance														
Account No. 15-500-2241														
<u>Personnel</u>														
001	Salaries & Wages	\$ 289,307	\$ -	\$ 289,307	\$ 77,693	\$ 367,000	D	\$ -	\$ 50,529	\$ 227,144	\$ -	\$ -	\$ 89,328	
002	Overtime	61,309	(21,309)	40,000	-	40,000	D	-	5,507	24,757	-	-	9,736	
009	Vacation And Sick Pay	64,214	-	64,214	(64,214)	-	D	-	-	-	-	-	-	
056	Injury Pay	813	-	813	(813)	-	D	-	-	-	-	-	-	
100	Employee Insurance Coverage	123,066	-	123,066	22,033	145,099	D	-	19,977	89,805	-	-	35,317	
Subtotal		\$ 538,709	\$ (21,309)	\$ 517,400	\$ 34,699	\$ 552,099		\$ -	\$ 76,013	\$ 341,705	\$ -	\$ -	\$ 134,381	
<u>Other Operating</u>														
212	Conferences & Training	\$ 1,847	\$ -	\$ 1,847	\$ 2,153	\$ 4,000	D	\$ -	\$ 551	\$ 2,476	\$ -	\$ -	\$ 974	
225	Support Services	262	-	262	9,738	10,000	D	-	1,377	6,189	-	-	2,434	
239	Fire & Liability Insurance	2,225	-	2,225	-	2,225	D	-	306	1,377	-	-	542	
254	Electricity	11,166	-	11,166	(2,166)	9,000	D	-	1,239	5,570	-	-	2,191	
255	Natural Gas	159	-	159	41	200	D	-	28	124	-	-	49	
260	Rental - Equip. & Facilities	120	-	120	380	500	D	-	69	309	-	-	122	
261	Property Taxes	32,973	-	32,973	(32,973)	-	D	-	-	-	-	-	-	
271	Equipment Service Charge	62,205	-	62,205	3,384	65,589	D	-	9,030	40,594	-	-	15,964	
274	Repair & Maint - Property	-	-	-	-	-	D	-	-	-	-	-	-	
275	Repair & Maint - Equipment	5,843	-	5,843	14,157	20,000	D	-	2,754	12,378	-	-	4,868	
295	Main Maintenance	39,348	-	39,348	25,652	65,000	D	-	8,949	40,230	-	-	15,821	
296	Service Maintenance	13,048	-	13,048	6,952	20,000	M	-	-	-	20,000	-	-	
297	Hydrant Maintenance	3,935	-	3,935	(3,935)	-	F	-	-	-	-	-	-	
298	Gate Maintenance	-	-	-	5,000	5,000	D	-	688	3,095	-	-	1,217	
305	Household Supplies	-	-	-	-	-	D	-	-	-	-	-	-	
311	Specialized Agency Supplies	5,163	-	5,163	4,837	10,000	D	-	1,377	6,189	-	-	2,434	
313	Medical Supplies	-	-	-	-	-	D	-	-	-	-	-	-	
322	Clothing/Protective Gear	1,182	-	1,182	818	2,000	D	-	275	1,238	-	-	487	
345	Building Materials	-	-	-	-	-	D	-	-	-	-	-	-	
350	Equipment Parts	-	-	-	-	-	D	-	-	-	-	-	-	
410	Reference Materials	-	-	-	-	-	D	-	-	-	-	-	-	
565	Annual Leave Buy-back	5,779	-	5,779	221	6,000	D	-	826	3,714	-	-	1,460	
Subtotal		\$ 185,255	\$ -	\$ 185,255	\$ 34,259	\$ 219,514		\$ -	\$ 27,469	\$ 123,483	\$ 20,000	\$ -	\$ 48,562	
Transmission & Distribution														
O	Operating Revenue Requirements	\$ 723,964	\$ (21,309)	\$ 702,655	\$ 68,958	\$ 771,613		\$ -	\$ 103,482	\$ 465,188	\$ 20,000	\$ -	\$ 182,943	
<u>Debt Service and Capital Outlay</u>														
401	Equipment Depreciation	\$ 1,033,693	\$ -	\$ 1,033,693	\$ 66,307	\$ 1,100,000	I	\$ 697,828	\$ 68,796	\$ 209,235	\$ 25,220	\$ -	\$ 98,920	
824	IFR Equipment	7,377	-	7,377	22,623	30,000	J	19,313	2,528	8,159	-	-	(0)	
424	Office Machinery	-	-	-	-	-	I	-	-	-	-	-	-	
835	IFR Improvements	-	-	-	1,080,000	1,080,000	J	695,276	91,000	293,724	-	-	(0)	
440	Mains & Gates	-	-	-	-	-	I	-	-	-	-	-	-	
600	Transfer to Equip Replace	-	-	-	-	-	I	-	-	-	-	-	-	
451	General Debt Principal	-	-	-	65,139	65,139	I	41,323	4,074	12,390	1,493	-	5,858	
452	General Debt Interest	4,981	-	4,981	(2,962)	2,019	I	1,281	126	384	46	-	182	
Subtotal		\$ 1,046,051	\$ -	\$ 1,046,051	\$ 1,231,107	\$ 2,277,158		\$ 1,455,022	\$ 166,524	\$ 523,892	\$ 26,760	\$ -	\$ 104,960	
Transmission & Distribution														
C	Capital Revenue Requirements	\$ 1,046,051	\$ -	\$ 1,046,051	\$ 1,231,107	\$ 2,277,158		\$ 1,455,022	\$ 166,524	\$ 523,892	\$ 26,760	\$ -	\$ 104,960	

							NWD Rate Year					
							Functional Categories			Other Categories		
							Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation						
Fire Protection												
Account No. 15-500-2245												
<u>Personnel</u>												
001	Salaries & Wages	\$ -	\$ -	\$ -	\$ -	F	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
002	Overtime	-	-	-	-	F	-	-	-	-	-	-
100	Employee Insurance Coverage	-	-	-	-	F	-	-	-	-	-	-
	Subtotal	\$ -	\$ -	\$ -	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Other Operating</u>												
275	Repair & Maintenance - Equip.	\$ -	\$ -	\$ -	14,000	F	\$ -	\$ -	\$ -	\$ -	\$ -	14,000
297	Hydrant Maintenance	-	-	-	-	F	-	-	-	-	-	-
	Subtotal	\$ -	\$ -	\$ -	14,000	-	\$ -	\$ -	\$ -	\$ -	\$ -	14,000
O	Fire Protection Operating Revenue Requirements	\$ -	\$ -	\$ -	14,000		\$ -	\$ -	\$ -	\$ -	\$ -	14,000
<u>Debt Service and Capital Outlay</u>												
842	Fire Hydrants	\$ 44,599	\$ (3,599)	\$ 41,000	\$ -	I	\$ 26,010	\$ 2,564	\$ 7,799	\$ 940	\$ -	\$ 3,687
	Subtotal	\$ 44,599	\$ (3,599)	\$ 41,000	\$ -		\$ 26,010	\$ 2,564	\$ 7,799	\$ 940	\$ -	\$ 3,687
C	Fire Protection Capital Revenue Requirements	\$ 44,599	\$ (3,599)	\$ 41,000	\$ -		\$ 26,010	\$ 2,564	\$ 7,799	\$ 940	\$ -	\$ 3,687
	Total Operating Revenue Requirements	\$ 4,953,566	\$ (128,786)	\$ 4,824,780	\$ 418,753		\$ 3,097,397	\$ 458,897	\$ 596,071	\$ 451,184	\$ 267,831	\$ 372,153
	Total Debt Service and Capital Outlay	\$ 4,458,765	\$ 606,401	\$ 5,065,166	\$ 2,410,932		\$ 4,735,139	\$ 507,174	\$ 1,474,572	\$ 176,624	\$ 18,520	\$ 564,069

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							NWD Rate Year					
							Functional Categories			Other Categories		
Debt Service and Capital Outlay - Summary	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
420 Equipment	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
424 Office Machinery	-	-	-	-	-		-	-	-	-	-	-
430 Capital Studies	1,685	-	1,685	(1,685)	-		-	-	-	-	-	-
435 Other Improvements	2,209,422	-	2,209,422	335,578	2,545,000		1,614,521	159,170	484,093	58,350	-	228,866
440 Mains and Gates	-	-	-	-	-		-	-	-	-	-	-
441 Meters and Pits	-	-	-	-	-		-	-	-	-	-	-
842 IFR Hydrant Replacement	44,599	(3,599)	41,000	-	41,000		26,010	2,564	7,799	940	-	3,687
451 General Debt Principal	685,000	610,000	1,295,000	5,139	1,300,139		824,794	81,314	247,304	29,809	-	116,918
452 General Debt Interest	448,192	-	448,192	(24,819)	423,373		268,583	26,479	80,531	9,707	-	38,073
454 City Advance Interest	-	-	-	-	-		-	-	-	-	-	-
459 Floating Debt Expense	-	-	-	-	-		-	-	-	-	-	-
460 Debt Reserve/Coverage	-	-	-	-	-		-	-	-	-	-	-
Water Pollution Control-Principal	-	-	-	-	-	I	-	-	-	-	-	-
Water Pollution Control-Interest	-	-	-	-	-	I	-	-	-	-	-	-
401 Equipment Depreciation	1,033,693	-	1,033,693	66,307	1,100,000		697,828	68,796	209,235	25,220	-	98,920
463 Lease Purchase Principal	-	-	-	-	-		-	-	-	-	-	-
465 UDAG Loan Principal	-	-	-	-	-		-	-	-	-	-	-
466 UDAG Loan Interest	-	-	-	-	-		-	-	-	-	-	-
600 Transfer to Equip Replace	-	-	-	73,586	73,586		46,682	4,602	13,997	1,687	-	6,617
824 IFR Equipment	36,174	-	36,174	292,826	329,000		208,996	21,228	65,033	6,855	-	26,888
835 IFR Improvements	-	-	-	1,164,000	1,164,000		748,565	96,253	309,702	1,926	-	7,554
SRF Loan Principal	-	-	-	-	-	I	-	-	-	-	-	-
SRF Loan Interest	-	-	-	-	-	I	-	-	-	-	-	-
998 Payment to General Fund (1)	-	-	-	500,000	500,000	H	299,159	46,768	56,880	42,130	18,520	36,544
Total	\$ 4,458,765	\$ 606,401	\$ 5,065,166	\$ 2,410,932	\$ 7,476,098		\$ 4,735,139	\$ 507,174	\$ 1,474,572	\$ 176,624	\$ 18,520	\$ 564,069
Total Debt Service (2)	1,133,192	610,000	1,743,192	480,320	2,223,512		62.63%	6.95%	17.30%	3.67%	0.83%	8.61%
Total Capital Spending (3)	2,291,880	(3,599)	2,288,281	1,864,305	4,152,586		63.69%	6.83%	21.21%	1.68%	0.00%	6.59%

Capital Revenue Requirements	Test Year	Normalization Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Allocation	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs	Fire Protection
To Debt Service Account (4)	\$ 1,133,192	\$ 610,000	\$ 1,743,192	\$ (186,377)	\$ 1,556,815		\$ 974,999	\$ 108,217	\$ 269,362	\$ 57,165	\$ 12,967	\$ 134,106
Offsets from Debt Service Account	-	-	-	(35,000)	-		(21,920)	(2,433)	(6,056)	(1,285)	(292)	(3,015)
To Cap. Spending Account (5)	\$ 2,291,880	\$ (3,599)	\$ 2,288,281	\$ (881,614)	\$ 1,406,667		895,903	96,142	298,306	23,630	-	92,685
Offset from Capital Spending Account	-	-	-	(465,000)	-		(296,158)	(31,781)	(98,611)	(7,811)	-	(30,639)
Total	3,425,072	606,401	4,031,473	(1,067,991)	2,463,482		1,552,825	170,144	463,002	71,699	12,675	193,137
Total Revenue Requirements	8,378,638	477,615	8,856,253	(649,238)	7,707,015		4,650,223	629,041	1,059,073	522,883	280,506	565,290
Additional Rev. Reqs. (6)	125,680	7,164	132,844	(9,739)	115,605	H	69,169	10,813	13,151	9,741	4,282	8,449
Total Cost of Service	8,504,318	484,779	8,989,097	(658,977)	7,822,620		4,719,391	639,854	1,072,224	532,623	284,788	573,740
Offsets To Revenue Requirements	(208,052)	-	(208,052)	-	(246,100)		(69,759)	(19,271)	(72,212)	(3,774)	(49,457)	(31,627)
Net Cost of Service	8,296,266	484,779	8,781,045	(658,977)	7,576,520		\$ 4,649,632	\$ 620,583	\$ 1,000,012	\$ 528,849	\$ 235,331	\$ 542,113
SumCheck (zero)	-	-	-	-	-		-	-	-	-	-	-

- (1) \$2.5 million to be paid back to the General Fund over a period of 5 years through rates and the Debt Service Restricted Account.
- (2) Debt Service portion of Capital Revenue Requirements. Total Debt Service and Capital Outlay for Rate Year includes Payment to General Fund, \$500,000. Budgeted amount for debt service equals total amount shown for existing debt service in FY 2004 as shown in the Revised Schedule RFC 11 less \$500,000 for the payment to the General Fund.
- (3) Capital Spending portion of Capital Revenue Requirements. Excludes Equipment Depreciation, Line Item 401.
- (4) Amount of rate funding for Debt Service Account. Allocation to functional activities based on allocation of Debt Service portion of Debt Service and Capital Outlay for the Rate Year. Average debt service calculated for FY 2004 through FY 2008, see Revised Schedule RFC 11, for further detail plus "Payment to General Fund" annual amount of \$500,000 over five year period less amount funded through debt service restricted account.
- (5) Amount of rate funding for Capital Spending Account. Allocation to functional activities based on allocation of Capital Spending portion of Debt Service and Capital Outlay for the Rate Year. Average capital spending calculated for FY 2003 through FY 2008, see Revised Schedule RFC 11, for further detail.
- (6) 1.5% of Total Revenue Requirements as determined by Rhode Island PUC.

City of Newport, Rhode Island

Revised

Revenue Offsets

Table 2a-Allocation of Revenue Offsets to Functional Activities

		NWD FY 2003 (1)										
								Functional Categories			Other Categories	
Offset Y/N (1)	Water Revenue Summary Account No. 15-0	Test Year	Normalized Adjustment	Normalized Test Year	Rate Year Adjustment	Rate Year	Alloc. (2)	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Costs
Y	306 Customer Services	\$ 101,234	\$ -	\$ 101,234	\$ (16,234)	\$ 85,000	D	\$ -	\$ 11,703	\$ 52,608	\$ -	\$ -
N	339 Private Fire Protection (2)	-	173,324	173,324	38,676	212,000	F	-	-	-	-	-
N	333 Public Fire Protection (2)	486,753	-	486,753	45,247	532,000	F	-	-	-	-	-
Y	342 Rental of Property	64,601	-	64,601	6,499	71,100	I	45,105	4,447	13,524	1,630	-
Y	373 Water Penalty	-	-	-	50,000	50,000	C	-	-	-	-	48,716
Y	495 Miscellaneous	20,202	-	20,202	(202)	20,000	H	11,966	1,871	2,275	1,685	741
Y	497 Lease Purchase Proceeds	-	-	-	-	-	J	-	-	-	-	-
Y	501 Invest Interest Income	22,015	-	22,015	(2,015)	20,000	I	12,688	1,251	3,804	459	-
N	599 Water Quality Protection (3)	29,179	-	29,179	421	29,600	C	-	-	-	-	28,840
N	699 Equipment Depreciation Fund	-	-	-	-	-	I	-	-	-	-	-
Subtotal		\$ 723,984	\$ 897,308	\$ 1,019,700				\$ 69,759	\$ 19,271	\$ 72,212	\$ 3,774	\$ 78,297
Offsets to Revenue Requirements		\$ 208,052	\$ 208,052	\$ 246,100				\$ 69,759	\$ 19,271	\$ 72,212	\$ 3,774	\$ 49,457

(1) Indicates whether the Revenue is used as an offset to Revenue Requirements. (Y = Yes, N = No)
 (2) Offset will not be applied to functional activity costs recovered from retail or wholesale customers.
 (3) Charge instituted by State and collected from Newport Retail customers. Offset will not be applied to costs recovered from retail or wholesale customers.

d Schedule RFC 2

<u>ES</u>	
Fire Protection	
\$	20,689
	212,000
	532,000
	6,394
	1,284
	1,462
	-
	1,799
	760
	-
\$	776,387
\$	31,627

City of Newport, Rhode Island

Revised Schedule RFC 3

Water Commodity Rates

Table 3a-Net Revenue Requirements Among Functional Activities

	Rate Year (2)	Newport Water FY 2004 (1)		
		Functional Categories		
		Supply & Treatment	Transmission	Distribution
Total Cost of Service	\$ 6,431,469	\$ 4,719,391	\$ 639,854	\$ 1,072,224
Less Offsets: From Revised Schedule RF	(161,242)	(69,759)	(19,271)	(72,212)
Subtotal	\$ (161,242)	\$ (69,759)	\$ (19,271)	\$ (72,212)
Net Cost of Service	\$ 6,270,227	\$ 4,649,632	\$ 620,583	\$ 1,000,012

(1) Applies to costs associated with functional categories only.

(2) Does not include Meters & Services, Customer Costs, and Fire Protection.

Table 3b-Allocation Base/Extra Capacity % For Functions (3)

	Base	Extra Capacity	Total
	Average	Max Day	
Supply & Treatment (4)	100.00%		100.00%
Transmission	58.06%	41.94%	100.00%
Distribution	58.06%	41.94%	100.00%

(3) Distributed according to average of system max day flows and average day flow data for FY 2000 through FY 2002 from Newport and Lawton Valley treatment plants.

(4) Supply and Treatment allocated entirely to base function.

Table 3c-Base/Extra Capacity Allocation of Retail and Wholesale Functional Costs

	Base	Extra Capacity	Total
	Average	Max Day	
Supply & Treatment	\$ 4,649,632	\$ -	\$ 4,649,632
Transmission	360,319	260,264	620,583
Distribution	580,620	419,391	1,000,012
Total	\$ 5,590,571	\$ 679,655	\$ 6,270,227

City of Newport, Rhode Island

Revised Schedule RFC 3

Table 3d-Customer Class Allocation Percentages for Supply and Treatment Costs
(Based on noncoincident flows)

Customer Class	Base				Extra Capacity (5a)	
	Average Flow				Max Day Flow	
	Unadjusted (thous gallons)	Unadjusted %	Adjusted (thous gallons) (5)	Adjusted %	(thous gallons)	%
Retail						
Residential (5b)	722,435	32.75%	956,951	35.83%	1,990	23.41%
Commercial (5b)	629,274	28.53%	834,070	31.23%	3,379	39.76%
Governmental	18,768	0.85%	24,888	0.93%	73	0.86%
Subtotal	1,370,477	62.13%	1,815,909	67.99%	5,442	64.03%
Other Customers						
Navy	413,501	18.75%	433,116	16.22%	1,251	14.72%
Portsmouth	421,821	19.12%	421,821	15.79%	1,806	21.25%
Subtotal	835,322	37.87%	854,937	32.01%	3,057	35.97%
Total	2,205,798	100.00%	2,670,845	100.00%	8,499	100.00%

(5) From Revised Schedule RFC 3-A, 'Development of Unsold Water'. Unsold water applies only to base demand.

(5a) Costs associated with extra capacity usage not allocated to Supply and Treatment.

(5b) Includes consumption and unsold water adjustments for metered sundry billing.

Table 3e-Customer Class Allocation Percentages for Transmission and Distribution Costs
(Based on noncoincident flows)

Customer Class	Base				Extra Capacity	
	Average Flow				Max Day Flow	
	Unadjusted (thous gallons) (6)	Unadjusted %	Adjusted (thous gallons) (6a)	Adjusted %	(thous gallons)	%
Retail						
Residential-Transmission (6b)	722,435	40.50%	956,951	42.55%	1,990	29.72%
Residential-Distribution	718,624	52.64%	918,871	52.64%	1,990	36.56%
Commercial-Transmission (6b)	629,274	35.27%	834,070	37.09%	3,379	50.49%
Commercial-Distribution	627,824	45.99%	802,769	45.99%	3,379	62.09%
Governmental-Transmission	18,768	1.05%	24,888	1.11%	73	1.10%
Governmental-Distribution	18,768	1.37%	23,998	1.37%	73	1.35%
Other Customers						
Navy-Transmission	413,501	23.18%	433,116	19.26%	1,251	18.69%
Navy-Distribution	0	0.00%	0	0.00%	0	0.00%
Portsmouth	0	0.00%	0	0.00%	0	0.00%
Total-Transmission	1,783,977	100%	2,249,024	100%	6,693	100%
Total-Distribution	1,365,217	100%	1,745,638	100%	5,442	100%

(6) Average flow for FY 1999 through FY 2003 escalated by the overall compound growth rate to FY 2004.

(6a) From Revised Schedule RFC 3-A, 'Development of Unsold Water'. Unsold water applies only to base demand.

(6b) Includes consumption and unsold water adjustments for metered sundry billing.

City of Newport, Rhode Island

Revised Schedule RFC 3

Table 3f-Base/Extra Capacity Costs per Customer Class

Customer Class	Base		Extra Capacity		Total	% Total Net Functional Costs
	Average		Max Day			
Retail						
Residential						
Supply & Treatment	\$ 1,665,941	\$ -	\$ -	\$ 1,665,941		26.57%
Transmission	153,314	77,363		230,677		3.68%
Distribution	305,628	153,325		458,952		7.32%
Subtotal	\$ 2,124,883	\$ 230,687	\$ -	\$ 2,355,570		37.57%
Commercial						
Supply & Treatment	\$ 1,452,018	\$ -	\$ -	\$ 1,452,018		23.16%
Transmission	133,627	131,398		265,025		4.23%
Distribution	267,011	260,416		527,427		8.41%
Subtotal	\$ 1,852,657	\$ 391,813	\$ -	\$ 2,244,470		35.80%
Governmental						
Supply & Treatment	\$ 43,327	\$ -	\$ -	\$ 43,327	0.69%	\$ 3,161,286
Transmission	3,987	2,851		6,839	0.11%	502,541
Distribution	7,982	5,651		13,633	0.22%	1,000,012
Subtotal	\$ 55,297	\$ 8,503	\$ -	\$ 63,799	1.02%	\$ 4,663,839
Total Retail	\$ 4,032,836	\$ 631,003	\$ -	\$ 4,663,839	74.38%	
Other Customers						
Navy						
Supply & Treatment	\$ 754,004	\$ -	\$ -	\$ 754,004		12.03%
Transmission	69,390	48,652		118,042		1.88%
Distribution	-	-		-		0.00%
Subtotal	\$ 823,394	\$ 48,652	\$ -	\$ 872,047		13.91%
Portsmouth Water & Fire District						
Supply & Treatment	\$ 734,341	\$ -	\$ -	\$ 734,341		11.71%
Transmission	-	-		-		0.00%
Distribution	-	-		-		0.00%
Subtotal	\$ 734,341	\$ -	\$ -	\$ 734,341		11.71%
Total Other	\$ 1,557,736	\$ 48,652	\$ -	\$ 1,606,388		25.62%
Total	\$ 5,590,571	\$ 679,655	\$ -	\$ 6,270,227		100.00%

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 3

Table 3g- Calculation of Commodity Rates

Adjusted Net Cost of Service	Billable Units (thous gal)	Commodity Rates	Rates Based on Customer Class	Recommended Rates
<u>Customer Class</u>				
Retail				
Net Cost of Service				
Residential	\$ 2,355,570	718,624	\$ 3.278	\$ 3.28
Commercial	2,244,470	627,824	3.575	3.58
Governmental	63,799	18,768	3.399	3.40
Less: Further Revenue Offsets:				
	<u>\$ 4,663,839</u>	<u>1,365,217</u>		
Navy				
Net Cost of Service	\$ 872,047			
Less: Further Revenue Offsets:				
	<u>\$ 872,047</u>	413,501	\$ 2.109	\$ 2.11
Portsmouth				
Net Cost of Service	\$ 734,341			
Less: Further Revenue Offsets:				
	<u>\$ 734,341</u>	421,821	\$ 1.7409	\$ 1.75
Total Cost of Service	\$ 6,270,227			

City of Newport, Rhode Island

Derivation of Functional Allocation
Calculation of Total Unsold Water

Revised Schedule RFC 3-A

Table 3-A1-Calculation of Unsold Water in Source of Supply and Treatment

	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6
	A	B	C	B - C	Col4 - A	Col 5/B
Fiscal Year	Sales	Total Plant Production (1)	Plant Use (1,000 gallons) (2)	Total Plant Production	Total Unsold Water	Percent Unsold
1999	2,109,852	2,521,338	0	2,521,338	411,486	16.3%
2000	2,317,243	2,731,690	0	2,731,690	414,447	15.2%
2001	2,236,405	2,621,896	0	2,621,896	385,491	14.7%
2002	2,123,198	2,671,794	0	2,671,794	548,596	20.5%
2003	2,167,817	2,733,032	0	2,733,032	565,215	20.7%
Average	2,190,903	2,655,950	0	2,655,950	465,047	17.5%

Table 3-A2-Calculation of Unsold Water in Transmission and Distribution

Fiscal Year	Sales	Total Plant Production (1)	Unsold Water in Transmission and Distribution	Percent Unsold Water in Transmission and Distribution	Transmission	Distribution	Total
1999	2,109,852	2,521,338	411,486	16.32%	74,879	336,607	411,486
2000	2,317,243	2,731,690	414,447	15.17%	75,418	339,029	414,447
2001	2,236,405	2,621,896	385,491	14.70%	70,149	315,342	385,491
2002	2,123,198	2,671,794	548,596	20.53%	99,829	448,767	548,596
2003	2,167,817	2,733,032	565,215	20.68%	102,853	462,362	565,215
Average	2,190,903	2,655,950	465,047	17.48%	84,626	380,421	465,047
			(3) T&D Allocation		18.20%	81.80%	100%

(1) Total Metered Effluent for Lawton Valley and Newport Treatment Plants provided by Newport Water Department less plant use.

(2) Finished water for plant use does not apply since it is recirculated at point upstream of treated water master meter at Lawton Valley and Station #1.

(3) From Allocation Symbol D, Revised Schedule RFC 4

City of Newport, Rhode Island

Derivation of Functional Allocation

Revised Schedule RFC 3-A

**Table 3-A3-Allocation of Unsold Water to Functional Activities (4)
According to Customer Class Sales**

Customer Class	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Average FY 1999 - FY 2003	Allocation to Supply & Treatment	Supply & Treatment Unsold (1,000 gallons)	Allocation to Transmission	Transmission Unsold (1,000 gallons)	Allocation to Distribution (5)	Distribution Unsold (1,000 gallons)
Residential	633,858	682,937	698,765	773,853	779,444	713,771	32.58%	0	40.28%	34,089	52.64%	200,247
Commercial	668,656	703,460	620,182	561,576	564,052	623,585	28.46%	0	35.19%	29,782	45.99%	174,945
Governmental	14,021	20,634	20,197	19,222	19,132	18,641	0.85%	0	1.05%	890	1.37%	5,230
Metered Sundry								0				
Residential (4a)	3,161	3,452	3,279	5,140	3,891	3,785	0.17%	0	0.21%	181		
Commercial (4a)	1,066	2,414	1,152	1,213	1,353	1,440	0.07%	0	0.08%	69		
Navy	481,854	466,167	450,247	307,051	348,222	410,709	18.75%	0	23.18%	19,615	0.00%	0
Portsmouth	307,236	438,179	442,582	455,142	451,723	418,972	19.12%	0				
Total	2,109,852	2,317,243	2,236,405	2,123,198	2,167,817	2,190,903	100.00%	0	100.00%	84,626	100.00%	380,421

Navy Retail Use (5)

0%

(4) Billable flows are adjusted upward for Unsold Water in order to revise allocation percentages of functional categories to each customer class.

(4a) Assumed allocation of unsold water to Metered Sundry Billing applies only to Transmission activities.

(5) It is assumed that the Navy bears 0% of distribution costs in the Newport system.

Allocation Indexes

Table 4-Allocation % of Expenses and Revenues (1)

Allocation Symbol	Description	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Charge	Fire Protection
<u>A</u>	Source of Supply	99.00%	0.00%	0.00%	0.00%	0.00%	1.00%
<u>B</u>	Pumping	0.00%	75.66%	0.00%	0.00%	0.00%	24.34%
<u>AB</u>	Source of Supply and Pumping	94.28%	3.61%	0.00%	0.00%	0.00%	2.11%
<u>C</u>	Customer Account (2)	0.00%	0.00%	0.00%	0.00%	97.43%	2.57%
<u>D</u>	Transmission & Distribution Mains	0.00%	13.77%	61.89%	0.00%	0.00%	24.34%
<u>E</u>	Electricity	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<u>F</u>	Fire Protection	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
<u>G</u>	Treatment Labor	99.08%	0.92%	0.00%	0.00%	0.00%	0.00%
<u>H</u>	Composite Expenses	59.83%	9.35%	11.38%	8.43%	3.70%	7.31%
<u>I</u>	Investment-Debt Service	63.44%	6.25%	19.02%	2.29%	0.00%	8.99%
<u>J</u>	Investment-IFR	64.38%	8.43%	27.20%	0.00%	0.00%	0.00%
<u>CL</u>	Customer Accounts-Labor (3)	0.00%	0.00%	0.00%	80.00%	20.00%	0.00%
<u>L</u>	Labor	61.97%	3.42%	13.55%	12.44%	3.11%	5.52%
<u>M</u>	Meters & Services	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%

(1) Basis of allocation terminology provided in model developed by Jerome D. Mierzwa of Exeter Associates, Inc. as testimony given on behalf of Rhode Island Division of Public Carriers in Docket No. 2985 dated February 18, 2000.

(2) Newport Water Department FY 2004 budget combined treatment and pumping accounts for both plants. Allocator considers those line items that appeared in both accounts in previous budgets.

(2) Allocation to Fire Protection based on proportionate share of bills generated for public and private fire protection connections relative to total number of bills generated.

(3) Allocation percentages are estimate from response to PWFD 3-1.

City of Newport, Rhode Island

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Allocation Indexes

Allocation Symbol A - Source of Supply

Allocation provided in model developed by Jerome D. Mierzwa of Exeter Associates, Inc. as testimony given on behalf of Rhode Island Division of Public Carriers in Docket No. 2985 dated February 18, 2000. Source of Supply allocated 99% to Supply and Treatment Function and 1% to Fire Protection.

Allocation Symbol B - Pumping

Allocation of Transmission & Distribution Expense to General Service and Fire Protection

	<u>Quantity</u>	<u>Percent</u>
General Service Max Hour Demand	10,880 gallons per minute	75.66%
Fire Demand (1)	3,500 gallons per minute	24.34%
Total	14,380	100.00%

(1) Based on demands utilized by United Water Rhode Island.

Allocation Symbol AB - Source of Supply and Pumping

<u>Account</u>	<u>NWD Approved Budget (1)</u>		<u>Supply & Treatment</u>	<u>Transmission</u>	<u>Distribution</u>	<u>Meters & Services</u>	<u>Customer Charge</u>	<u>Fire Protection</u>
Treatment - Newport Plant	831,072	49.54%	49.04%	0.00%	0.00%	0.00%	0.00%	0.50%
Pumping - Newport Plant	40,037	2.39%	0.00%	1.81%	0.00%	0.00%	0.00%	0.58%
Treatment - Lawton Valley Plant	766,539	45.69%	45.24%	0.00%	0.00%	0.00%	0.00%	0.46%
Pumping - Lawton Valley Plant	39,949	2.38%	0.00%	1.80%	0.00%	0.00%	0.00%	0.58%
	1,677,597	100%	94.28%	3.61%	0.00%	0.00%	0.00%	2.11%

(1) Amounts are from Newport Water Department rate year budget used in determining flat retail commodity rates as approved and adjusted by the Rhode Island PUC. Treatment and pumping accounts are separate for both treatment plants. Percentages calculated are used to apply to those line items in the FY 04 budget that appeared in both accounts in the budget.

City of Newport, Rhode Island

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Allocation Indexes

Allocation Symbol D - Transmission & Distribution Mains

Allocation of General Service Demand to Transmission & Distribution

Feet of Mains	Percent	Allocation
Transmission	18.20%	13.77%
Distribution	81.80%	61.89%
Total	100.00%	75.66%
Fire Protection Service - Allocation Symbol B		24.34%
Total		100.00%

Development of Transmission and Distribution Mains Allocation

Size Inches	Type	Total Feet	Feet	
			Transmission	Distribution
2	Less than 4"	44,538	0	44,538
2	A.C.	263	0	263
3	A.C.	507	0	507
4	A.C.	3,908	0	3,908
6	A.C.	58,471	0	58,471
8	A.C.	154,389	0	154,389
10	A.C.	11,951	0	11,951
12	A.C.	105,213	0	105,213
16	A.C.	13,719	13,719	0
20	A.C.	5,447	5,447	0
24	A.C.	6,519	6,519	0
6	D.I.	1,049	0	1,049
8	D.I.	50,576	0	50,576
10	D.I.	560	0	560
12	D.I.	26,187	0	26,187
16	D.I.	17,351	17,351	0
20	D.I.	2,743	2,743	0
4	Cast	23,247	0	23,247
6	Cast	86,877	0	86,877
8	Cast	55,810	0	55,810
10	Cast	4,485	0	4,485
12	Cast	50,507	0	50,507
16	Cast	27,387	27,387	0
18	Cast	7,374	7,374	0
20	Cast	37,230	37,230	0
24	Cast	19,284	19,284	0
4	Cement	4,388	0	4,388
6	Cement	1,317	0	1,317
8	Cement	1,663	0	1,663
10	Cement	1,285	0	1,285
12	Cement	525	0	525
17	Cement	4,860	4,860	0
24	Cement	2,193	2,193	0
30	Cement	3,215	3,215	0
24	Concrete	5,662	5,662	0
Total		840,700	152,984	687,716

Allocation of Transmission and Distribution Mains 18.20% 81.80%

City of Newport, Rhode Island

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Allocation Indexes

Allocation Symbol E - Electricity

Account	FY 2000	FY 2001	FY 2002	Average
St. Mary's Pump Station	\$ 3,160	\$ 3,792	\$ 1,955	\$ 2,969
Reservoir Road Tank	123	42	192	119
Halsey Street	3,107	2,753	4,237	3,366
Forest Avenue Pump Station	2,007	535	8,576	3,706
Goulart Lane Tank	1,298	986	105	796
Station 1	277,562	157,919	180,507	205,329
Paradise Pump Station	22,059	6,814	18,716	15,863
Lawton Valley Plant	74,337	73,647	63,239	70,408
Lawton Valley Pump House	28,384	38,383	24,496	30,421
Nonquit Pump Station (New)	51,854	17,046	58,300	42,400
Nonquit Pump Station (Old)	1,955	2,728	2,542	2,408
Total	\$ 463,891	\$ 301,917	\$ 362,865	\$ 377,785

Allocation Symbol G - Treatment Labor

	# of Treatment Personnel	Labor Hours/Year	Total Annual Labor Man-Hours	Allocation Treatment/ Treatment Pumping
Labor Hours - Total Treatment	18	2,000	36,000	99.08%
	# of Pumps (1)			
Labor Hours - Treatment Pumping Treatment Machinery	11	30	330	0.92%

	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Charge	Fire Protection
Allocation Percentage	99.08%	0.92%	0.00%	0.00%	0.00%	0.00%

(1) Number of pumps include six at Newport Station #1 and five at Lawton Valley.

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Allocation Indexes

Allocation Symbol H - Composite

	FY 2004 Budget	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Charge	Fire Protection	
Customer Accounts	\$ 477,945	\$ -	\$ -	\$ -	\$ 324,555	\$ 151,464	\$ 1,926	477,945
Customer Services	-	-	-	-	-	-	-	-
Source of Supply - Island	398,015	394,035	-	-	-	-	3,980	398,015
Source of Supply - Mainland	79,500	78,705	-	-	-	-	795	79,500
Treatment - Newport Plant	1,188,960	975,831	159,245	-	-	-	53,883	1,188,960
Treatment - Lawton Valley	959,855	800,738	119,760	-	-	-	39,357	959,855
Water Laboratory	199,347	197,354	-	-	-	-	1,993	199,347
Distribution Maintenance	771,613	-	103,482	465,188	20,000	-	182,943	771,613
Fire Protection	14,000	-	-	-	-	-	14,000	14,000
Total	\$ 4,089,235	\$ 2,446,663	\$ 382,488	\$ 465,188	\$ 344,555	\$ 151,464	\$ 298,877	
Percent	100.00%	59.83%	9.35%	11.38%	8.43%	3.70%	7.31%	

Allocation Symbol I - Debt Service

	Allocator	Amount	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Charge	Fire Protection
Plant in Service								
Source of Supply & Water Treatment	A	\$ 12,672,824	\$ 12,546,096	\$ -	\$ -	\$ -	\$ -	\$ 126,728
Pumping	B	455,705	-	344,787	-	-	-	110,919
Source of Supply and Pumping	AB	9,195,593	8,669,586	331,721	-	-	-	194,287
Trans & Dist Mains & Distribution - Other	D	10,277,969	-	1,415,072	6,361,240	-	-	2,501,656
Services & Meters	M	766,755	-	-	-	766,755	-	-
Hydrants	F	73,832	-	-	-	-	-	73,832
Total		\$ 33,442,679	\$ 21,215,682	\$ 2,091,580	\$ 6,361,240	\$ 766,755	\$ -	\$ 3,007,422
Percent		100.00%	63.44%	6.25%	19.02%	2.29%	0.00%	8.99%

Allocation Symbol J - Investment IFR

	Allocator	Average Cost	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Charge	Fire Protection
Plant in Service								
Source of Supply & Water Treatment	A	\$ 12,672,824	\$ 12,672,824	\$ -	\$ -	\$ -	\$ -	\$ (0)
Pumping	B	455,705	-	455,705	-	-	-	-
Source of Supply and Pumping	AB	9,195,593	8,856,712	338,881	-	-	-	(0)
Trans & Dist Mains & Distribution - Other	D	10,277,969	-	1,870,304	8,407,665	-	-	-
Services & Meters	M	766,755	-	139,528	627,227	-	-	-
Hydrants	F	73,832	-	13,435	60,397	-	-	-
Total		\$ 33,442,679	\$ 21,529,537	\$ 2,817,853	\$ 9,095,288	\$ -	\$ -	\$ (0)
Percent		100.00%	64.38%	8.43%	27.20%	0.00%	0.00%	0.00%

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Allocation Indexes

Fixed Assets as of 6/30/03 (1)

Account Name		Fixed Assets			Accumulated Depreciation			Net Fixed Assets	
		Balance @ 6/30/2002	Additions FY 2003	Retirements FY 2003	Balance @ 6/30/2003	Balance @ 6/30/2002	Depreciation Expense FY 2003		Balance @ 6/30/2003
Construction in Progress	D	\$ 647,727	\$ 16,650	\$ -	\$ 664,377	\$ -	\$ -	\$ 664,377	
Land & Rights of Way	D	3,594,491	-	-	3,594,491	-	-	3,594,491	
Reservoirs	A	615,327	-	-	615,327	-	-	615,327	
Dams	A	271,108	-	-	271,108	271,108	271,108	-	
Road Bridge	A	4,929	-	-	4,929	4,929	4,929	-	
Lawton Valley Reservoirs	A	1,557,351	-	-	1,557,351	-	-	1,557,351	
Reservoir Equipment	A	57,661	-	-	57,661	38,542	4,490	14,629	
Source of Supply Mains	AB	11,157,158	-	-	11,157,158	1,738,422	223,143	9,195,593	
Pumping Structures	B	329,070	-	-	329,070	231,616	8,132	89,322	
Pumping Equipment	B	640,381	-	-	640,381	390,410	21,312	228,659	
Pumping Machinery	B	566,809	-	-	566,809	566,809	-	-	
Treatment Structures	A	16,511,860	-	-	16,511,860	5,928,407	404,399	10,179,054	
Treatment Machinery	A	2,274,092	-	-	2,274,092	2,132,490	21,495	120,107	
Distribution Standpipes	D	1,050,990	48,177	-	1,099,167	769,918	24,928	304,321	
Distribution Mains & Gates	D	10,160,149	13,200	-	10,173,349	4,395,512	200,781	5,577,055	
Distribution Services	M	2,625,575	39,192	-	2,664,767	1,853,379	44,634	766,755	
Distribution Hydrants	F	376,125	-	-	376,125	289,661	12,632	73,832	
Plant Structures	A	94,633	-	-	94,633	72,687	2,217	19,729	
Plant Machinery	A	198,120	-	-	198,120	159,469	9,870	28,780	
Engineering Studies - Supply & Treatment	A	251,317	45,323	-	296,640	173,581	9,301	113,759	
Engineering Studies - Pumping	B	251,317	45,323	-	296,640	173,581	9,301	113,759	
Engineering Studies - T&D	D	251,317	45,323	-	296,640	173,581	9,301	113,759	
Engineering Studies Subtotal		753,952	135,969	-	889,921	520,743	27,902	341,276	
Office Furniture & Fixtures - Supply & Treatment	A	28,894	-	-	28,894	26,892	914	1,088	
Office Furniture & Fixtures - Pumping	B	28,894	-	-	28,894	26,892	914	1,088	
Office Furniture & Fixtures - T&D Mains	D	28,894	-	-	28,894	26,892	914	1,088	
Office Furniture & Fixtures		86,682	-	-	86,682	80,676	2,741	3,265	
Trucks & Autos- Supply & Treatment	A	238,619	-	-	238,619	200,053	16,250	22,316	
Trucks & Autos- Pumping	B	238,619	-	-	238,619	200,053	16,250	22,316	
Trucks & Autos - T&D Mains	D	238,619	-	-	238,619	200,053	16,250	22,316	
Trucks & Autos		715,858	-	-	715,858	600,160	48,749	66,949	
Small Tools - Supply & Treatment	A	17,645	-	-	17,645	15,924	1,160	561	
Small Tools - Pumping	B	17,645	-	-	17,645	15,924	1,160	561	
Small Tools - T&D Mains	D	17,645	-	-	17,645	15,924	1,160	561	
Small Tools		52,934	-	-	52,934	47,771	3,480	1,682	
Laboratory Equipment	A	118,176	-	-	118,176	117,902	150	124	
Total		\$ 54,461,159	\$ 253,188	\$ -	\$ 54,714,347	\$ 20,210,611	\$ 1,061,057	\$ 21,271,668	\$ 33,442,679
Less Accumulated Depreciation		(20,210,611)	(1,061,057)		(21,271,668)				
Net Fixed Assets		34,250,548	(807,869)		33,442,679				

(1) Data provided by the City of Newport.

City of Newport, Rhode Island

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Allocation Indexes

Allocation Symbol L - Labor							
	Adjusted NWD Rate Year	Supply & Treatment	Transmission	Distribution	Meters & Services	Customer Charge	Fire Protection
Customer Accounts							
Salaries & Wages	\$ 273,472	\$ -	\$ -	\$ -	\$ 218,778	\$ 54,694	\$ -
Overtime	10,000	-	-	-	8,000	2,000	-
Vacation & Sick Pay	-	-	-	-	-	-	-
Injury (on the job) Pay	-	-	-	-	-	-	-
Employee Insurance Coverage	108,472	-	-	-	86,778	21,694	-
Customer Services							
Salaries & Wages	-	-	-	-	-	-	-
Employee Insurance Coverage	-	-	-	-	-	-	-
Source of Supply - Island							
Salaries and Wages	199,963	197,963	-	-	-	-	2,000
Overtime	15,000	14,850	-	-	-	-	150
Temporary/Seasonal Wages	-	-	-	-	-	-	-
Vacation & Sick Pay	-	-	-	-	-	-	-
Injury (on the job) Pay	-	-	-	-	-	-	-
Employee Insurance Coverage	87,681	86,804	-	-	-	-	877
Source of Supply - Mainland							
Overtime	10,000	9,900	-	-	-	-	100
Temporary/Seasonal Wages	10,000	9,900	-	-	-	-	100
Employee Insurance Coverage	2,000	1,980	-	-	-	-	20
Treatment - Newport Plant							
Salaries and Wages	359,672	356,375	3,297	-	-	-	-
Overtime	30,000	29,725	275	-	-	-	-
Holiday Pay	6,000	5,945	55	-	-	-	-
Vacation & Sick Pay	-	-	-	-	-	-	-
Employee Insurance Coverage	160,228	158,759	1,469	-	-	-	-
Treatment - Lawton Valley							
Salaries and Wages	366,849	363,486	3,363	-	-	-	-
Overtime	28,000	27,743	257	-	-	-	-
Vacation & Sick Pay	-	-	-	-	-	-	-
Injury (on the job) Pay	-	-	-	-	-	-	-
Employee Insurance Coverage	159,353	157,892	1,461	-	-	-	-
Water Laboratory							
Salaries and Wages	99,608	98,612	-	-	-	-	996
Temporary/Seasonal Wages	5,000	4,950	-	-	-	-	50
Vacation & Sick Pay	-	-	-	-	-	-	-
Employee Insurance Coverage	37,739	37,362	-	-	-	-	377
Transmission & Distribution Maint.							
Salaries and Wages	367,000	-	50,529	227,144	-	-	89,328
Overtime	40,000	-	5,507	24,757	-	-	9,736
Vacation & Sick Pay	-	-	-	-	-	-	-
Injury (on the job) Pay	-	-	-	-	-	-	-
Employee Insurance Coverage	145,099	-	19,977	89,805	-	-	35,317
Fire Protection							
Salaries and Wages	-	-	-	-	-	-	-
Overtime	-	-	-	-	-	-	-
Employee Insurance Coverage	-	-	-	-	-	-	-
TOTAL	\$ 2,521,136	\$ 1,562,247	\$ 86,189	\$ 341,705	\$ 313,555	\$ 78,389	\$ 139,051
Allocation Symbol L		61.97%	3.42%	13.55%	12.44%	3.11%	5.52%

Allocation Symbol M - Meters and Services

Allocation provided in model developed by Jerome D. Mierzwa of Exeter Associates, Inc. as testimony given on behalf of Rhode Island Division of Public Carriers in Docket No. 2985 dated February 18, 2000. Meters and Services allocated 100% to Meters and Services Function.

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City of Newport, Rhode Island

Revised Schedule RFC 5

Units of Service-Base/Extra Capacity Method
 Projected FY 2004 Demand

Customer Class	Base		Maximum Day		
	Projected FY 2004 Annual Use <i>thous gal</i>	Average Rate <i>thous gpd (1a)</i>	Revised Capacity Factor %	Total Capacity <i>thous gpd</i>	Extra Capacity <i>thous gpd</i>
<u>Noncoincident Flows (1)</u>					
Residential	718,624	1,969	201%	3,958	1,990
Commercial	627,824	1,720	296%	5,099	3,379
Governmental	18,768	51	243%	125	73
Metered Sundry Billing (2)					
Residential	3,810	10	0%		
Commercial	1,449	4	0%		
Total	1,370,477	3,755		9,182	5,442
Navy	413,501	1,133	210%	2,384	1,251
Portsmouth Fire and Water	421,821	1,156	256%	2,961	1,806
Navy and Portsmouth Total	<u>835,322</u>	<u>2,289</u>		<u>5,345</u>	<u>3,057</u>
Total	2,205,798	6,043		14,528	8,499
Total Recorded Annual Flows (3)	2,205,798	6,043	209%	12,644	6,601

(1) Procedure to derive capacity factors for max day noncoincident flows based on Appendix A in AWWA M-1 manual.

See Revised Schedule RFC 5-D for further information.

(1a) Average rate calculated by dividing projected FY 2004 Annual Use by 365.

(2) Included in calculation of total base flows.

(3) Average (FY 99 - FY 03) systemwide max day flow for comparison to calculated max day flows for each customer class.

Adjusted for metered sundry billing.

Peak Flow Data - Newport

Station #1 Water Treatment Plant

	Flow		
	Average (MGD)	Max Day (MGD)	Max Hour (MGD)
Jul-99	5.183	6.338	7.3
Aug-99	4.546	5.962	7.2
Sep-99	4.698	4.319	5.4
Oct-99	3.322	4.690	5.0
Nov-99	4.375	5.002	5.9
Dec-99	4.406	4.952	5.7
Jan-00	4.354	4.875	5.5
Feb-00	4.592	4.878	5.7
Mar-00	4.376	4.876	5.5
Apr-00	4.766	4.902	5.2
May-00	3.056	3.915	5
Jun-00	3.640	4.715	5.6
Total-FY00	51.314	59.424	69.0
Jul-00	4.085	4.872	5.5
Aug-00	3.663	4.849	9.3
Sep-00	3.318	3.926	5.0
Oct-00	3.158	3.466	4.6
Nov-00	3.147	4.783	5.3
Dec-00	3.518	4.854	5.4
Jan-01	3.651	4.616	5.2
Feb-01	4.149	4.682	5.4
Mar-01	4.181	4.349	4.8
Apr-01	3.873	4.466	5.1
May-01	3.280	3.802	6.3
Jun-01	3.445	4.246	5.0
Total-FY01	43.468	52.911	66.900
Jul-01	3.560	4.718	6.3
Aug-01	3.940	4.521	6.2
Sep-01	3.575	4.127	5.5
Oct-01	3.254	4.629	5.7
Nov-01	2.860	4.556	5.4
Dec-01	2.371	2.853	4.0
Jan-02	2.520	3.922	4.7
Feb-02	2.390	2.575	3.0
Mar-02	2.445	3.300	4.5
Apr-02	4.641	5.234	6.4
May-02	3.168	3.859	5.7
Jun-02	3.543	4.481	5.3
Total-FY02	38.268	48.774	62.650
FY 00 - FY 02			
Average	44.350	53.703	0.000

Lawton Valley Treatment Plant

	Flow		
	Average (MGD)	Max Day (MGD)	Max Hour (MGD)
Jul-99	5.397	7.692	8.0
Aug-99	5.023	7.926	8.0
Sep-99	4.620	6.079	8.0
Oct-99	4.207	5.073	8.0
Nov-99	2.191	2.987	6.0
Dec-99	1.802	3.753	6.0
Jan-00	2.045	3.111	8.0
Feb-00	1.367	3.133	8.0
Mar-00	1.693	3.86	8.0
Apr-00	1.542	2.03	6.0
May-00	4.431	5.944	8.0
Jun-00	4.428	5.395	8.0
Total-FY00	38.746	56.983	90.0
Jul-00	5.170	7.258	8.0
Aug-00	4.761	6.308	8.0
Sep-00	4.495	5.561	8.0
Oct-00	4.394	5.477	8.0
Nov-00	3.485	6.522	8.0
Dec-00	2.543	4.027	8.0
Jan-01	2.282	4.201	6.0
Feb-01	1.853	3.188	6.0
Mar-01	1.642	2.418	4.0
Apr-01	2.380	4.279	6.0
May-01	4.606	6.427	8.0
Jun-01	5.021	7.447	8.0
Total-FY01	42.631	63.113	86.0
Jul-01	5.591	6.966	8.0
Aug-01	5.438	7.252	8.0
Sep-01	4.625	5.936	6.0
Oct-01	4.206	5.556	6.0
Nov-01	4.035	5.614	8.0
Dec-01	4.106	5.548	8.0
Jan-02	3.743	4.806	6.0
Feb-02	3.473	5.097	8.0
Mar-02	3.796	5.516	8.0
Apr-02	1.691	3.922	8.0
May-02	4.518	6.186	8.0
Jun-02	4.644	6.421	8.0
Total-FY02	49.866	68.820	90.0
FY 00 - FY 02			
Average	43.748	62.972	0.000

Average and Peak Flow Data and Base/Extra Capacity Allocation Factors

Total

	Flow		
	Average (MGD)	Max Day (MGD)	Max Hour (MGD)
Jul-99	10.58	14.030	15.3
Aug-99	9.57	13.888	15.2
Sep-99	9.32	10.398	13.4
Oct-99	7.53	9.763	13.0
Nov-99	6.57	7.989	11.9
Dec-99	6.21	8.705	11.7
Jan-00	6.40	7.986	13.5
Feb-00	5.96	8.011	13.7
Mar-00	6.07	8.736	13.5
Apr-00	6.31	6.932	11.2
May-00	7.49	9.859	13.0
Jun-00	8.07	10.110	13.6

Average Flow 7.50 14.03 15.30

Jul-00	9.25	12.130	13.5
Aug-00	8.42	11.157	17.3
Sep-00	7.81	9.487	13.0
Oct-00	7.55	8.943	12.6
Nov-00	6.63	11.305	13.3
Dec-00	6.06	8.881	13.4
Jan-01	5.93	8.817	11.2
Feb-01	6.00	7.870	11.4
Mar-01	5.82	6.767	8.8
Apr-01	6.25	8.745	11.1
May-01	7.89	10.229	14.3
Jun-01	8.47	11.693	13.0

Average Flow 7.17 12.13 17.30

Jul-01	9.15	11.684	14.3
Aug-01	9.38	11.773	14.2
Sep-01	8.20	10.063	11.5
Oct-01	7.46	10.185	11.7
Nov-01	6.89	10.170	13.4
Dec-01	6.48	8.401	12.0
Jan-02	6.26	8.728	10.7
Feb-02	5.86	7.672	11.0
Mar-02	6.24	8.816	12.5
Apr-02	6.33	9.156	14.4
May-02	7.69	10.044	13.7
Jun-02	8.19	10.902	13.3

Average Flow 7.34 11.77 14.40

Average	7.341	12.644	15.667
	System Avg. Day	System Max. Day	System Max. Hour
Average (mgd)	7.34	12.64	15.67
Average (gpm)	5,098.24	8,780.79	10,879.63

Supply and Treatment		Transmission and Distribution		
Percentage		Percentage		
Base	Max Day	Base	Max Day	Max Hour
100%		75%	25%	
100%		69%	31%	
100%		90%	10%	
100%		77%	23%	
100%		82%	18%	
100%		71%	29%	
100%		80%	20%	
100%		74%	26%	
100%		69%	31%	
100%		91%	9%	
100%		76%	24%	
100%		80%	20%	
100%	0%	78%	22%	0%
100%		76%	24%	
100%		76%	24%	
100%		82%	18%	
100%		84%	16%	
100%		59%	41%	
100%		68%	32%	
100%		67%	33%	
100%		76%	24%	
100%		86%	14%	
100%		72%	28%	
100%		77%	23%	
100%		72%	28%	
100%	0%	75%	25%	0%
100%		78%	22%	
100%		80%	20%	
100%		81%	19%	
100%		73%	27%	
100%		68%	32%	
100%		77%	23%	
100%		72%	28%	
100%		76%	24%	
100%		71%	29%	
100%		69%	31%	
100%		77%	23%	
100%		75%	25%	
100%	0%	75%	25%	0%

Average %

100.00%	0.00%	75.80%	24.20%	0.00%
Base/Extra Capacity Allocation for Transmission and Distribution		58.06%	41.94%	

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City of Newport, Rhode Island

Peak Flow Data - Portsmouth Water and Fire District
Portsmouth Master Meter

Revised Schedule RFC 5-B

Data From PWFD			
Purchased Amount PWFD SCADA Calendar Month (Gal x 1000)	Days	Average Day Purchases PWFD SCADA (Gal x 1000)	Maximum Day Purchases PWFD SCADA (Gal x 1000)

FY 1999

Jul-98	23,250	31	750	1,323
Aug-98	27,311	31	881	1,594
Sep-98	21,690	30	723	1,498
Oct-98	23,994	31	774	1,677
Nov-98	19,110	30	637	796
Dec-98	18,879	31	609	1,033
Jan-99	18,135	31	585	829
Feb-99	15,876	28	567	878
Mar-99	19,344	31	624	1,128
Apr-99	24,750	30	825	1,538
May-99	39,277	31	1,267	1,763
Jun-99	55,620	30	1,854	2,418
Total-FY 1999	307,236			

FY 1999 Avg. Day	842
FY 1999 Max Day	2,418
FY 1999 Max Month	55,620
FY 1999 Max Month Avg. Day	1,854

FY 2000

Jul-99	57,071	31	1,841	2,336
Aug-99	47,430	31	1,530	2,307
Sep-99	38,460	30	1,282	1,718
Oct-99	36,735	31	1,185	1,530
Nov-99	31,920	30	1,064	1,317
Dec-99	31,093	31	1,003	1,249
Jan-00	31,713	31	1,023	1,247
Feb-00	30,305	29	1,045	1,148
Mar-00	28,458	31	918	1,166
Apr-00	28,470	30	949	1,136
May-00	36,084	31	1,164	1,478
Jun-00	40,440	30	1,348	2,049
Total-FY 2000	438,179			

FY 2000 Avg. Day	1,197
FY 2000 Max Day	2,336
FY 2000 Max Month	57,071
FY 2000 Max Month Avg. Day	1,841

FY 2001

Jul-00	50,313	31	1,623	2,155
Aug-00	39,370	31	1,270	1,533
Sep-00	35,070	30	1,169	1,623
Oct-00	37,386	31	1,206	1,716
Nov-00	32,010	30	1,067	1,243
Dec-00	31,837	31	1,027	1,154
Jan-01	31,217	31	1,007	1,587
Feb-01	27,468	28	981	1,189
Mar-01	30,287	31	977	1,163
Apr-01	31,200	30	1,040	1,389
May-01	49,414	31	1,594	2,420
Jun-01	47,010	30	1,567	2,140
Total-FY 2001	442,582	365	1,213	

FY 2001 Avg. Day	1,213
FY 2001 Max Day	2,420
FY 2001 Max Month	50,313
FY 2001 Max Month Avg. Day	1,623

Docket No. 3578

City of Newport, Rhode Island

Peak Flow Data - Portsmouth Water and Fire District
Portsmouth Master Meter

Revised Schedule RFC 5-B

Data From PWFD				
Purchased Amount PWFD SCADA Calendar Month (Gal x 1000)		Average Day Purchases PWFD SCADA (Gal x 1000)	Maximum Day Purchases PWFD SCADA (Gal x 1000)	
	Days			
FY 2002				
Jul-01	31	1,572	2,089	48,732
Aug-01	31	1,554	2,191	48,174
Sep-01	30	1,534	2,078	46,020
Oct-01	31	1,292	1,622	40,052
Nov-01	30	1,230	1,651	36,900
Dec-01	31	996	1,187	30,876
Jan-02	31	1,007	1,537	31,217
Feb-02	28	981	1,241	27,468
Mar-02	31	980	1,202	30,380
Apr-02	30	1,128	1,531	33,840
May-02	31	1,218	1,574	37,758
Jun-02	30	1,458	2,095	43,725
Total-FY 2002	365	1,247		455,142

FY 2002 Avg. Day	1,247
FY 2002 Max Day	2,191
FY 2002 Max Month	48,732
FY 2002 Max Month Avg. Day	1,572

FY 2003				
Jul-02	31	2,006	2,365	62,186
Aug-02	31	1,762	2,247	54,622
Sep-02	30	1,234	1,631	37,020
Oct-02	31	1,157	1,437	35,867
Nov-02	30	1,060	1,226	31,800
Dec-02	31	1,023	1,337	31,713
Jan-03	31	1,022	1,467	31,682
Feb-03	28	995	1,217	27,860
Mar-03	31	986	1,396	30,566
Apr-03	30	1,076	1,398	32,280
May-03	31	1,247	1,851	38,657
Jun-03	30	1,249	1,733	37,470
Total-FY 2003	365	1,238		451,723

FY 2003 Avg. Day	1,238
FY 2003 Max Day	2,365
FY 2003 Max Month	62,186
FY 2003 Max Month Avg. Day	2,006

FY 1999-03 Avg. Day	1,148
FY 1999-03 Max Day	2,420
FY 1999-03 Max Month	62,186
FY 1999-03 Max Month Avg. Day	2,006

FY 1999-03 Max Day/Avg. Day Ratio	2.11
FY 1999-03 Max Month Avg. Day/Avg. Day Ratio	1.75

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City of Newport, Rhode Island

Water Consumption By Class Summary

Revised Schedule RFC 5-C

	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Average '99-'03	FY 2004
Tertiary and Monthly Consumption (1)							
Residential (T&M)	633,858	682,937	698,765	773,853	779,444	713,771	718,624
Commercial (T&M)	668,656	703,460	620,182	561,576	564,052	623,585	627,824
Governmental (T&M)	14,021	20,634	20,197	19,222	19,132	18,641	18,768
Navy (M)	481,854	466,167	450,247	307,051	348,222	410,709	413,501
PWFD (M)	307,236	438,179	442,582	455,142	451,723	418,972	421,821
Metered, Sundry Billed (2)							
Residential	3,161	3,452	3,279	5,140	3,891	3,785	3,810
Customer	1,066	2,414	1,152	1,213	1,353	1,440	1,449
	2,109,852	2,317,243	2,236,405	2,123,198	2,167,817	2,190,903	2,205,798
% Compound Growth Rate						0.68%	

Water Consumption By Block Summary

	FY 2000	FY 2001	FY 2002	FY 2003 (3)	Average 2000-2003	FY 2004 (3)
Monthly Customers						
>14,000 gallons	61,522,039	61,267,638	61,481,951	61,242,732	61,378,590	61,795,883
<14,000 gallons	458,067,942	429,267,776	428,382,503	445,896,649	440,403,718	443,397,882
Tertiary Customers						
>56,000 gallons	729,196,467	702,796,665	707,345,602	718,010,339	714,337,268	719,193,819
<56,000 gallons	159,063,497	146,124,451	157,100,025	163,574,931	156,465,726	157,529,487
Total	1,407,849,945	1,339,456,530	1,354,310,081	1,388,724,651	1,372,585,302	1,381,917,071

Total Consumption Growth Rate By Customer Class

0.68%

(1) Consumption for retail classes, the Navy and Portsmouth Water & Fire District averaged from FY 1999 through FY 2003. Systemwide compound growth percentage in consumption applied to average for each customer class to obtain estimate of FY 2004 consumption.

(2) Metered Sundry consumption represents consumption by customers at public points throughout system that is allowed by Newport (fire hydrants, treatment plant connection, etc.). Billed at Block 1 rate, \$3.73/1,000 gallons. Not included in Revised Schedule RFC 5-C1.

(3) Growth rate applied to obtain FY 2004 block consumption amounts for monthly and tertiary customers from total consumption growth rate by customer class. Block consumption applied to existing rates to determine revenue from existing rates as shown in Revised Schedule RFC 6, Revenue Proof.

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 5-C1

Consumption Data From City of Newport
By Customer Class

FY 1999 (thousand gallons)														
Customer Class	July	August	September	October	November	December	January	February	March	April	May	June	Average	Annual
Unclassified (1) Middletown														
Residential														
Newport	0	6	0	7.7	0	6	0	10.5	4.1	6	0	4	4	44
Middletown	9,655	44,886	43,557	56,954	11,766	39,147	32,804	40,730	9,215	34,820	29,704	42,453	32,974	395,691
Combined	18,964	19,505	24,353	21,404	19,951	16,370	18,929	18,326	16,414	16,575	18,697	19,726	19,101	229,215
Portsmouth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Residential Total	0	3,059	0	39	0	3,021	0	35	0	2,721	0	33	742	8,907
Commercial	28,619	67,456	67,910	78,405	31,716	58,544	51,732	59,102	25,632	54,122	48,401	62,216	52,821	633,858
Newport	56,507	34,660	48,942	42,467	51,375	21,730	37,852	32,119	36,297	22,161	39,181.06	44,946	39,020	468,238
Middletown	21,200	24,964	12,999	14,580	16,991	14,717	10,820	10,174	16,522	15,100	11836.81	15,543	15,454	185,447
Portsmouth	1,377	2,271	1,873	1,324	952	826	724	765	786	1,090	1185	1,798	1,248	14,971
Commercial Total	79,085	61,895	63,814	58,371	69,318	37,273	49,396	43,058	53,604	38,351	52,203	62,288	55,721	668,656
Governmental-Gen														
Newport	109	211	117	112	89	90	89	93	90	84	71	78	103	1,232
Middletown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Governmental-City														
Combined	0	0	0	11	0	0	0	13	0	0	0	17	3	41
Newport	4,566	0	0	0	4,888	0	0	0	3,293	0	0	0	1,062	12,748
Governmental Total	4,675	211	117	123	4,977	90	89	106	3,384	84	71	95	1,168	14,021
Newport Water Total	112,379	129,562	131,842	136,899	106,011	95,908	101,218	102,266	82,620	92,557	100,674	124,599	109,711	1,316,534
Navy														
Newport	12,678	14,455	14,361	14,003	11,809	8,925	8,670	8,259	7,495	8,246	8,426	10,247	10,631	127,574
Middletown	27,785	27,450	27,437	25,208	28,716	27,276	27,626	34,775	23,757	27,501	28,224	31,162	28,076	336,917
Portsmouth	1,861	835	652	1,338	1,395	1,414	1,375	1,590	1,808	1,790	1,756	1,550	1,447	17,364
Navy Total	42,323	42,739	42,450	40,548	41,920	37,615	37,671	44,624	33,060	37,537	38,407	42,959	40,155	481,854
Portsmouth Water and Fire														
Portsmouth	23,250	27,311	21,690	23,994	19,110	18,879	18,135	15,876	19,344	24,750	39,277	55,620	25,603	307,236
Portsmouth Total	23,250	27,311	21,690	23,994	19,110	18,879	18,135	15,876	19,344	24,750	39,277	55,620	25,603	307,236
System Metered Total	177,952	199,612	195,981	201,441	167,041	152,402	157,024	162,766	135,024	154,844	178,358	223,179	175,469	2,105,625

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 5-C1

Consumption Data From City of Newport
By Customer Class

Customer Class	FY2000 (thousand gallons)												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Unclassified (1) Middletown														
Residential														
Newport	0	9	0	7	0	6	0	10.5	0	7	0	12.9	4	52
Middletown	12,493	50,685	48,890	63,537	12,218	41,996	34,421	41,531	10,058	36,893	30,043	41,796	35,380	424,560
Combined	21,615	23,400	27,070	22,524	22,256	18,113	20,260	18,353	18,338	17,353	19,692	20,211	20,765	249,183
Portsmouth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portsmouth	0	3,198	0	45	0	2,959	0	30	0	2,884	0	26	762	9,141
Residential Total	34,108	77,291	75,959	86,114	34,473	63,074	54,681	59,924	28,396	57,136	49,735	62,046	56,911	682,937
Commercial														
Newport	57,011	30,393	52,540	45,770	52,045	25,917	37,120	34,925	41,646	21,762	41081.25	40,700	40,076	480,910
Middletown	29,330	31,530	18,253	13,209	17,434	18,923	10,068	10,759	16,340	15,502	11720.78	13,053	17,177	206,123
Portsmouth	2,228	1,802	2,370	1,519	907	875	856	984	896	1,192	1346	1,451	1,369	16,427
Commercial Total	88,570	63,725	73,163	60,498	70,386	45,715	48,044	46,669	58,882	38,456	54,148	55,203	58,622	703,460
Governmental-Gen														
Newport	90	49	168	96	125	79	103	96	91	77	61	110	95	1,144
Middletown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Governmental-City														
Combined	0	0	0	16	0	0	0	12	0	0	0	17	4	45
Newport	4,748	0	0	0	8,155	0	0	0	6,543	0	0	0	1,620	19,446
Governmental Total	4,838	49	168	112	8,280	79	103	108	6,634	77	61	127	1,720	20,634
Newport Water Total	127,516	141,065	149,290	146,723	113,139	108,868	102,829	106,700	93,912	95,669	103,944	117,376	117,253	1,407,031
Navy														
Newport	10,950	11,947	11,413	10,764	9,984	7,764	8,933	5,788	7,852	8,687	10,255	11,594	9,661	115,932
Middletown	31,074	34,908	26,623	14,866	27,784	24,299	23,656	28,790	25,212	25,673	25,516	22,328	25,894	310,728
Portsmouth	1,395	1,594	1,869	3,754	4,500	4,154	3,579	3,627	4,010	3,785	3,619	3,624	3,292	39,507
Navy Total	43,419	48,449	39,905	29,384	42,268	36,216	36,167	38,205	37,074	38,144	39,390	37,546	38,847	466,167
Portsmouth Water and Fire														
Portsmouth	57,071	47,430	38,460	36,735	31,920	31,093	31,713	30,305	28,458	28,470	36,084	40,440	36,515	438,179
Portsmouth Total	57,071	47,430	38,460	36,735	31,920	31,093	31,713	30,305	28,458	28,470	36,084	40,440	36,515	438,179
System Metered Total	228,006	236,944	227,655	212,842	187,327	176,177	170,708	175,210	159,444	162,283	179,418	195,362	192,615	2,311,377

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 5-C1

Consumption Data From City of Newport
By Customer Class

Customer Class	FY2001 (thousand gallons)												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Unclassified (1) Middletown														
Residential														
Newport	0	6	0	12	0	6	0	10	0	7	0	9	4	50
Middletown	10,467	46,098	45,528	54,787	11,871	37,145	46,521	52,410	22,217	34,108	40,914	51,012	37,756	453,077
Combined	20,702	20,666	25,566	20,251	19,644	22,759	16,753	18,135	16,681	20,808	15,930	19,263	19,763	237,159
Portsmouth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portsmouth	0	3,060	0	26	0	2,751	0	26	0	2,584	0	33	707	8,480
Residential Total	31,169	69,830	71,093	75,076	31,515	62,661	63,274	70,581	38,898	57,507	56,844	70,317	58,230	698,765
Commercial														
Newport	57,773	31,755	47,496	43,362	53,707	20,575	27,216	23,018	26,048	23,866	28,475	32,856	34,679	416,144
Middletown	21,795	26,020	13,256	11,969	18,455	12,165	15,744	10,967	15,815	12,118	14,499	16,959	15,814	189,762
Portsmouth	1,625	1,852	1,360	1,037	1,033	962	744	924	751	1,126	1,202	1,661	1,190	14,275
Commercial Total	81,192	59,627	62,111	56,368	73,195	33,702	43,704	34,909	42,614	37,109	44,176	51,476	51,682	620,182
Governmental-Gen														
Newport	91	111	41	133	77	76	108	56	81	71	69	65	81	978
Middletown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Governmental-City														
Combined	0	0	0	12	0	0	0	24	0	0	0	24	5	60
Newport	4,675	0	0	0	7,723	0	0	0	6,761	0	0	0	1,597	19,159
Governmental Total	4,766	111	41	145	7,800	76	108	80	6,843	71	69	89	1,683	20,197
Newport Water Total	117,127	129,568	133,246	131,588	112,509	96,439	107,085	105,570	88,355	94,687	101,089	121,881	111,595	1,339,144
Navy														
Newport	14,542	15,937	14,240	7,830	10,038	9,225	9,332	9,742	8,951	10,085	10,760	14,169	11,238	134,851
Middletown	21,300	20,629	18,544	18,857	23,267	23,823	28,227	28,624	24,250	24,530	22,403	16,267	22,560	270,720
Portsmouth	3,622	3,792	4,200	3,700	3,703	3,763	3,844	3,824	3,795	3,666	3,417	3,348	3,723	44,676
Navy Total	39,464	40,358	36,984	30,387	37,008	36,810	41,403	42,191	36,996	38,281	36,579	33,784	37,521	450,247
Portsmouth Water and Fire														
Portsmouth	50,313	39,370	35,070	37,386	32,010	31,837	31,217	27,468	30,287	31,200	49,414	47,010	36,882	442,582
Portsmouth Total	50,313	39,370	35,070	37,386	32,010	31,837	31,217	27,468	30,287	31,200	49,414	47,010	36,882	442,582
System Metered Total	206,904	209,296	205,300	199,362	181,528	165,086	179,706	175,229	155,638	164,168	187,082	202,675	185,998	2,231,974

City of Newport, Rhode Island

Revised Schedule RFC 5-C1

Consumption Data From City of Newport
By Customer Class

FY 2002 (thousand gallons)														
Customer Class	July	August	September	October	November	December	January	February	March	April	May	June	Average	Annual
Unclassified (1) Middletown	89													
Residential	0	8	0	11	0	7	0	11	0	10	0	9	5	56
Newport	25,923	44,007	60,472	67,255	28,042	38,200	48,686	49,219	22,009	32,296	45,623	52,607	42,862	514,339
Middletown	21,131	33,600	19,005	20,863	21,305	26,143	16,964	17,576	18,314	21,090	15,482	19,296	20,898	250,771
Combined	0	0	0	0	0	0	0	22	0	0	0	25	2	28
Portsmouth	0	2,994	0	48	0	2,941	0	0	0	2,677	0	0	722	8,659
Residential Total	47,054	80,609	79,477	88,177	49,347	67,290	65,650	66,828	40,323	56,073	61,105	71,937	64,488	773,853
Commercial														
Newport	40,960	37,062	37,203	32,307	33,983	20,720	27,740	24,251	27,009	22,950	28,806	28,743	30,145	361,734
Middletown	21,024	16,196	20,291	15,496	17,942	11,154	14,264	10,300	17,834	11,808	17,695	11,266	15,439	185,271
Portsmouth	1,466	1,818	1,939	1,716	843	938	851	746	751	1,223	1,186	1,093	1,214	14,570
Commercial Total	63,450	55,077	59,434	49,518	52,768	32,812	42,855	35,297	45,594	35,980	47,687	41,102	46,798	561,576
Governmental-Gen														
Newport	95	101	84	64	95	56	64	51	48	79	73	67	73	876
Middletown	4	0	0	0	1	0	0	0	0	0	0	0	0	5
Governmental-City														
Combined	0	0	0	27	0	0	0	0	0	0	0	0	2	27
Newport	6,356	0	0	0	8,047	0	0	0	3,911	0	0	0	1,526	18,314
Governmental Total	6,455	101	84	91	8,143	56	64	51	3,959	79	73	67	1,602	19,222
Newport Water Total	116,959	135,787	138,995	137,786	110,257	100,158	108,569	102,176	89,877	92,133	108,865	113,106	112,888	1,354,651
Navy														
Newport	13,899	15,081	16,177	9,805	9,970	9,588	9,175	9,013	8,420	9,456	10,013	10,469	10,922	131,066
Middletown	14,021	13,627	12,724	9,827	16,610	15,627	17,831	15,505	14,676	15,304	15,942	13,471	14,597	175,165
Portsmouth	99	13	7	40	187	193	239	8	5	6	10	13	68	820
Navy Total	28,019	28,721	28,908	19,672	26,767	25,408	27,245	24,526	23,101	24,766	25,965	23,953	25,588	307,051
Portsmouth Water and Fire														
Portsmouth	48,732	48,174	46,020	40,052	36,900	30,876	31,217	27,468	30,380	33,840	37,758	43,725	37,929	455,142
Portsmouth Total	48,732	48,174	46,020	40,052	36,900	30,876	31,217	27,468	30,380	33,840	37,758	43,725	37,929	455,142
System Metered Total	193,711	212,683	213,923	197,511	173,924	156,443	167,031	154,170	143,358	150,739	172,588	180,784	176,404	2,116,845

City of Newport, Rhode Island

Revised Schedule RFC 5-C1

Consumption Data From City of Newport
By Customer Class

Customer Class	FY 2003 (thousand gallons)												Average	Annual	Average '99-'03 Annual Consumption	
	July	August	September	October	November	December	January	February	March	April	May	June				
Unclassified (1) Middletown	0															
Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Newport	24,971	44,318	62,181	70,020	29,282	39,176	45,456	52,590	22,318	32,903	43,707	48,343	42,939	515,267	460,587	
Middletown	22,215	36,574	20,486	22,017	20,934	25,290	16,478	18,455	17,765	21,994	15,570	17,571	21,279	255,351	244,336	
Combined	0	0	0	30	0	3,100	0	23	0	0	0	21	163	1,951	396	
Portsmouth	0	3,741	0	0	0	0	0	0	0	3,135	0	0	573	6,875	8,413	
Residential Total	47,186	84,634	82,667	92,067	50,216	67,566	61,934	71,068	40,084	58,032	59,277	65,936	64,954	779,444	713,771	
Commercial																
Newport	47,803	42,141	36,578	33,849	35,923	23,849	23,038	22,582	26,578	23,395	30,752	31,253	31,478	377,741	420,953	
Middletown	24,427	1,976	18,802	15,228	17,723	11,875	14,212	11,601	16,876	11,907	14,823	14,225	14,473	173,675	188,056	
Portsmouth	1,566	1,651	1,512	1,474	868	851	602	857	661	836	837	920	1,053	12,636	14,576	
Commercial Total	73,796	45,767	56,893	50,551	54,513	36,574	37,852	35,040	44,115	36,139	46,412	46,398	47,004	564,052	623,585	
Governmental-Gen																
Newport	65	17	111	96	59	39	50	35	34	40	40	38	52	624	971	
Middletown	7	0	0	0	0	0	0	0	0	0	0	0	1	7	2	
Governmental-City																
Combined	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	
Newport	6,348	0	0	0	6,408	0	0	0	5,746	0	0	0	1,542	18,501	17,634	
Governmental Total	6,420	17	111	96	6,467	39	50	35	5,780	40	40	38	1,594	19,132	18,641	
Newport Water Total	127,402	130,418	139,671	142,714	111,196	104,179	99,836	106,143	89,979	94,211	105,730	112,372	113,552	1,362,627	1,355,998	
Navy																
Newport	3,495	19,054	11,879	10,961	6,496	7,921	16,342	8,894	9,529	11,722	10,398	11,146	10,653	127,837	127,452	
Middletown	17,014	17,326	15,166	17,345	12,190	18,693	23,857	18,567	18,366	22,037	17,484	18,355	18,033	216,398	261,986	
Portsmouth	179	0	64	4	4	5	0	0	9	151	1,648	1,923	332	3,987	21,271	
Navy Total	20,688	36,380	27,110	28,310	18,690	26,618	40,199	27,461	27,904	33,910	29,530	31,424	29,019	348,222	410,709	
Portsmouth Water and Fire																
Portsmouth	62,186	54,622	37,020	35,867	31,800	31,713	31,682	27,860	30,566	32,280	38,657	37,470	37,644	451,723	418,972	
Portsmouth Total	62,186	54,622	37,020	35,867	31,800	31,713	31,682	27,860	30,566	32,280	38,657	37,470	37,644	451,723	418,972	
System Metered Total	210,276	221,420	203,800	206,891	161,686	162,510	171,717	161,464	148,449	160,400	173,917	181,266	180,214	2,162,573	2,185,679	

City of Newport, Rhode Island

Consumption Data From City of Newport
By Customer Class

Customer Class

Unclassified (1)
Middletown

Residential

Newport
Middletown
Combined
Portsmouth
Residential Total

Commercial

Newport
Middletown
Portsmouth
Commercial Total

Governmental-Gen

Newport
Middletown

Governmental-City

Combined
Newport
Governmental Total

Newport Water Total

Navy

Newport
Middletown
Portsmouth
Navy Total

Portsmouth Water and Fire

Portsmouth
Portsmouth Total

System Metered Total

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 5-C1a

Determination of Max Monthly Flow

		FY 1999 (thousand gallons)											Total	
		July	August	September	October	November	December	January	February	March	April	May	June	
<u>Billed Flows by</u>														
<u>Customer Class</u>	<u>Billing Frequency</u>													
Residential	Tertiary				242,390				201,095				190,372	633,858
Commercial	Monthly	79,085	61,895	63,814	58,371	69,318	37,273	49,396	43,058	53,604	38,351	52,203	62,288	668,656
Governmental														
Newport-Gen	Monthly	109	211	117	112	89	90	89	93	90	84	71	78	1,232
Combined	Tertiary				11				13				17	41
Newport-City	Tertiary	4,566				4,888				3,293				12,748
Navy	Monthly	42,323	42,739	42,450	40,548	41,920	37,615	37,671	44,624	33,060	37,537	38,407	42,959	481,854
Portsmouth	Monthly	23,250	27,311	21,690	23,994	19,110	18,879	18,135	15,876	19,344	24,750	39,277	55,620	307,236

<u>Calculated Monthly Flow per Class</u>	Imputed Monthly Consumption												Max Month Volume (thous gal)	Max Month Avg. Day Demand (thous gpd)
	July	August	September	October	November	December	January	February	March	April	May	June		
Residential	60,598	60,598	60,598	60,598	50,274	50,274	50,274	50,274	47,593	47,593	47,593	47,593	60,598	2,020
Commercial	79,085	61,895	63,814	58,371	69,318	37,273	49,396	43,058	53,604	38,351	52,203	62,288	79,085	2,636
Governmental	1,253	1,355	1,262	1,256	1,314	1,315	1,315	1,318	918	911	898	906	1,355	45
Navy	42,323	42,739	42,450	40,548	41,920	37,615	37,671	44,624	33,060	37,537	38,407	42,959	44,624	1,487
Portsmouth	23,250	27,311	21,690	23,994	19,110	18,879	18,135	15,876	19,344	24,750	39,277	55,620	55,620	1,854
System Total	206,508	193,898	189,813	184,767	181,935	145,357	156,791	155,150	154,519	149,142	178,378	209,366	209,366	6,979

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 5-C1a

Determination of Max Monthly Flow

		FY2000 (thousand gallons)											Total	
		July	August	September	October	November	December	January	February	March	April	May	June	
<u>Billed Flows by</u>														
<u>Customer Class</u>	<u>Billing Frequency</u>													
Residential	Tertiary				273,472				212,152				197,313	682,937
Commercial	Monthly	88,570	63,725	73,163	60,498	70,386	45,715	48,044	46,669	58,882	38,456	54,148	55,203	703,460
Governmental														
Newport-Gen	Monthly	90	49	168	96	125	79	103	96	91	77	61	110	1,144
Combined	Tertiary				16				12					45
Newport-City	Tertiary	4,748				8,155				6,543				19,446
Navy	Monthly	43,419	48,449	39,905	29,384	42,268	36,216	36,167	38,205	37,074	38,144	39,390	37,546	466,167
Portsmouth	Monthly	57,071	47,430	38,460	36,735	31,920	31,093	31,713	30,305	28,458	28,470	36,084	40,440	438,179

<u>Calculated Monthly Flow per Class</u>	Imputed Monthly Consumption												Max Month Volume (thous gal)	Max Month Avg. Day Demand (thous gpd)			
	Residential	Commercial	Governmental	Navy	Portsmouth	System Total	Residential	Commercial	Governmental	Navy	Portsmouth	System Total	Residential	Commercial	Governmental	Navy	Portsmouth
Residential	68,368	68,368	68,368	68,368	53,038	53,038	53,038	53,038	53,038	49,328	49,328	49,328	49,328	68,368	2,279		
Commercial	88,570	63,725	73,163	60,498	70,386	45,715	48,044	46,669	58,882	38,456	54,148	55,203	88,570	2,952			
Governmental	1,281	1,240	1,359	1,287	2,167	2,120	2,145	2,137	1,731	1,716	1,701	1,750	2,167	72			
Navy	43,419	48,449	39,905	29,384	42,268	36,216	36,167	38,205	37,074	38,144	39,390	37,546	48,449	1,615			
Portsmouth	57,071	47,430	38,460	36,735	31,920	31,093	31,713	30,305	28,458	28,470	36,084	40,440	57,071	1,902			
System Total	258,709	229,212	221,254	196,271	199,778	168,183	171,107	170,354	175,474	156,115	180,651	184,268	258,709	8,624			

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 5-C1a

Determination of Max Monthly Flow

		FY2001 (thousand gallons)											Total	
		July	August	September	October	November	December	January	February	March	April	May	June	
<u>Billed Flows by</u>														
<u>Customer Class</u>	<u>Billing Frequency</u>													
Residential	Tertiary				247,168				228,031				223,566	698,765
Commercial	Monthly	81,192	59,627	62,111	56,368	73,195	33,702	43,704	34,909	42,614	37,109	44,176	51,476	620,182
Governmental														
Newport-Gen	Monthly	91	111	41	133	77	76	108	56	81	71	69	65	978
Combined	Tertiary				12				24				24	60
Newport-City	Tertiary	4,675				7,723				6,761				19,159
Navy	Monthly	39,464	40,358	36,984	30,387	37,008	36,810	41,403	42,191	36,996	38,281	36,579	33,784	450,247
Portsmouth	Monthly	50,313	39,370	35,070	37,386	32,010	31,837	31,217	27,468	30,287	31,200	49,414	47,010	442,582

Imputed Monthly Consumption													Max Month Volume (thous gal)	Max Month Avg. Day Demand (thous gpd)	
<u>Calculated Monthly Flow per Class</u>															
Residential		61,792	61,792	61,792	61,792	57,008	57,008	57,008	57,008	55,892	55,892	55,892	55,892	61,792	2,060
Commercial		81,192	59,627	62,111	56,368	73,195	33,702	43,704	34,909	42,614	37,109	44,176	51,476	81,192	2,706
Governmental		1,262	1,283	1,213	1,305	2,013	2,013	2,044	1,992	1,778	1,767	1,765	1,761	2,044	68
Navy		39,464	40,358	36,984	30,387	37,008	36,810	41,403	42,191	36,996	38,281	36,579	33,784	42,191	1,406
Portsmouth		50,313	39,370	35,070	37,386	32,010	31,837	31,217	27,468	30,287	31,200	49,414	47,010	50,313	1,677
System Total		234,024	202,430	197,171	187,238	201,234	161,370	175,376	163,568	167,566	164,249	187,826	189,922	234,024	7,801

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 5-C1a

Determination of Max Monthly Flow

		FY 2002 (thousand gallons)											Total	
		July	August	September	October	November	December	January	February	March	April	May	June	
<u>Billed Flows by</u>														
<u>Customer Class</u>	<u>Billing Frequency</u>													
Residential	Tertiary				295,318				249,115				229,439	773,872
Commercial	Monthly	63,450	55,077	59,434	49,518	52,768	32,812	42,855	35,297	45,594	35,980	47,687	41,102	561,576
Governmental														
Newport-Gen	Monthly	95	101	84	64	95	56	64	51	48	79	73	67	876
Combined	Tertiary				27				0					27
Newport-City	Tertiary	6,356				8,047				3,911				18,314
Navy	Monthly	28,019	28,721	28,908	19,672	26,767	25,408	27,245	24,526	23,101	24,766	25,965	23,953	307,051
Portsmouth	Monthly	48,732	48,174	46,020	40,052	36,900	30,876	31,217	27,468	30,380	33,840	37,758	43,725	455,142

Imputed Monthly Consumption

Calculated Monthly Flow per Class

	Imputed Monthly Consumption												Max Month Volume (thous gal)	Max Month Avg. Day Demand (thous gpd)	
Residential	73,829	73,829	73,829	73,829	62,279	62,279	62,279	62,279	57,360	57,360	57,360	57,360	57,360	73,829	2,461
Commercial	63,450	55,077	59,434	49,518	52,768	32,812	42,855	35,297	45,594	35,980	47,687	41,102	41,102	63,450	2,115
Governmental	1,691	1,697	1,680	1,659	2,107	2,068	2,076	2,063	1,025	1,057	1,051	1,045	1,045	2,107	70
Navy	28,019	28,721	28,908	19,672	26,767	25,408	27,245	24,526	23,101	24,766	25,965	23,953	23,953	28,908	964
Portsmouth	48,732	48,174	46,020	40,052	36,900	30,876	31,217	27,468	30,380	33,840	37,758	43,725	43,725	48,732	1,624
System Total	215,721	207,499	209,871	184,731	180,820	153,443	165,672	151,632	157,461	153,003	169,820	167,185	167,185	215,721	7,191

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City of Newport, Rhode Island

Revised Schedule RFC 5-C1a

Determination of Max Monthly Flow

		FY 2003 (thousand gallons)											Total	
		July	August	September	October	November	December	January	February	March	April	May	June	
<u>Billed Flows by</u>														
<u>Customer Class</u>	<u>Billing Frequency</u>													
Residential	Tertiary				306,554				250,784				223,328	780,666
Commercial	Monthly	73,796	45,767	56,893	50,551	54,513	36,574	37,852	35,040	44,115	36,139	46,412	46,398	564,052
Governmental														
Newport-Gen	Monthly	65	17	111	96	59	39	50	35	34	40	40	38	624
Combined	Tertiary				0				0				0	0
Newport-City	Tertiary	6,348				6,408				5,746				18,501
Navy	Monthly	20,688	36,380	27,110	28,310	18,690	26,618	40,199	27,461	27,904	33,910	29,530	31,424	348,222
Portsmouth	Monthly	62,186	54,622	37,020	35,867	31,800	31,713	31,682	27,860	30,566	32,280	38,657	37,470	451,723

Calculated Monthly Flow per Class

Imputed Monthly Consumption													Max Month Volume (thous gal)	Max Month Avg. Day Demand (thous gpd)	FY 1999- FY 2003 Average Day Demand (thous gpd)	FY 1999- FY 2003 Max Month Avg. Day Demand (thous gpd)
Residential	76,638	76,638	76,638	76,638	62,696	62,696	62,696	62,696	55,832	55,832	55,832	55,832	76,638	2,555	1,956	2,555
Commercial	73,796	45,767	56,893	50,551	54,513	36,574	37,852	35,040	44,115	36,139	46,412	46,398	73,796	2,460	1,708	2,952
Governmental	1,652	1,604	1,698	1,683	1,661	1,641	1,652	1,637	1,471	1,477	1,477	1,474	1,698	57	51	72
Navy	20,688	36,380	27,110	28,310	18,690	26,618	40,199	27,461	27,904	33,910	29,530	31,424	40,199	1,340	1,125	1,615
Portsmouth	62,186	54,622	37,020	35,867	31,800	31,713	31,682	27,860	30,566	32,280	38,657	37,470	62,186	2,006	1,148	2,006
System Total	234,960	215,012	199,359	193,049	169,360	159,242	174,081	154,694	159,888	159,637	171,908	172,598	234,960	7,832	5,989	8,624

City of Newport, Rhode Island

Determination of Max Monthly Flow

<u>Billed Flows by</u>	
<u>Customer Class</u>	<u>Billing Frequency</u>
Residential	Tertiary
Commercial	Monthly
Governmental	
Newport-Gen	Monthly
Combined	Tertiary
Newport-City	Tertiary
Navy	Monthly
Portsmouth	Monthly

Calculated Monthly Flow per Class

Residential	1.31
Commercial	1.73
Governmental	1.41
Navy	1.44
Portsmouth	1.75
System Total	<u>1.44</u>

FY 1999- FY 2003 Max Month Avg. Day Demand/Average Day Demand

Docket No. 3578

City of Newport, Rhode Island

Consumption Data From Newport
By Consumption Block

Revised Schedule RFC 5-C2

Customer Class	FY2000 (gallons)												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Tertiary														
Residential														
Newport														
<56,000	22,539,050	38,165,958	51,493,142	56,216,626	23,273,849	33,831,131	41,462,598	43,452,071	19,506,739	30,712,900	36,890,799	44,504,061	36,837,410	442,048,924
>56,000	3,397,714	5,005,475	10,635,152	15,432,410	4,109,231	2,816,901	3,670,178	5,651,732	2,202,344	1,734,056	2,969,720	5,513,651	5,261,547	63,138,564
Total	25,936,764	43,171,433	62,128,294	71,649,036	27,383,080	36,648,032	45,132,776	49,103,803	21,709,083	32,446,956	39,860,519	50,017,712		
Middletown														
<56,000	19,509,039	25,561,226	18,664,466	20,000,238	18,969,417	20,511,621	15,013,897	16,740,211	16,542,726	20,073,305	14,600,760	17,874,767	18,671,806	224,061,673
>56,000	1,381,868	8,447,530	1,938,063	1,642,988	2,425,812	2,805,502	1,217,762	903,076	1,286,140	848,225	1,481,888	1,490,278	2,155,761	25,869,132
Total	20,890,907	34,008,756	20,602,529	21,643,226	21,395,229	23,317,123	16,231,659	17,643,287	17,828,866	20,921,530	16,082,648	19,365,045		
Portsmouth														
<56,000		3,148,070		45,000		2,901,411		30,000		2,810,182		26,000	1,493,444	8,960,663
>56,000		49,438		0		57,419		0		64,525		0	28,564	171,382
Total		3,197,508		45,000		2,958,830		30,000		2,874,707		26,000		
Total <56,000	42,048,089	66,875,254	70,157,608	76,261,864	42,243,266	57,244,163	56,476,495	60,222,282	36,049,465	53,596,387	51,491,559	62,404,828	57,002,660	675,071,260
Total >56,000	4,779,582	13,502,443	12,573,215	17,075,398	6,535,043	5,679,822	4,887,940	6,554,808	3,488,484	2,646,806	4,451,608	7,003,929	7,445,872	89,179,078
Residential Total	46,827,671	80,377,697	82,730,823	93,337,262	48,778,309	62,923,985	61,364,435	66,777,090	39,537,949	56,243,193	55,943,167	69,408,757	64,448,532	764,250,338
Commercial														
Newport														
<56,000	4,800,678	1,557,426	2,815,103	1,341,038	5,107,573	1,360,339	2,476,264	1,862,532	3,914,005	1,329,149	2,386,070	1,819,540	2,564,143	30,769,717
>56,000	4,433,558	1,591,853	2,625,800	3,994,950	7,008,890	840,500	1,068,100	2,884,115	3,254,540	596,000	905,100	2,057,488	2,605,075	31,260,894
Total	9,234,236	3,149,279	5,440,903	5,335,988	12,116,463	2,200,839	3,544,364	4,746,647	7,168,545	1,925,149	3,291,170	3,877,028		
Middletown														
<56,000	2,798,300	579,873	2,451,497	700,120	2,564,651	527,662	2,205,598	576,169	2,519,524	480,910	2,294,294	674,092	1,531,058	18,372,690
>56,000	5,344,380	1,208,100	4,015,600	181,000	4,532,800	1,290,600	1,822,850	133,200	3,880,850	756,700	1,314,850	176,100	2,054,753	24,657,030
Total	8,142,680	1,787,973	6,467,097	881,120	7,097,451	1,818,262	4,028,448	709,369	6,400,374	1,237,610	3,609,144	850,192		
Portsmouth														
<56,000		0				0				9,000			3,000	9,000
>56,000										0			0	0
Total	0	0	0	0	0	0	0	0	0	9,000	0	0		
Total <56,000	7,598,978	2,137,299	5,266,600	2,041,158	7,672,224	1,888,001	4,681,862	2,438,701	6,433,529	1,819,059	4,680,364	2,493,632	4,098,201	49,151,407
Total >56,000	9,777,938	2,799,953	6,641,400	4,175,950	11,541,690	2,131,100	2,890,950	3,017,315	7,135,390	1,352,700	2,219,950	2,233,588	4,659,827	55,917,924
Commercial Total	17,376,916	4,937,252	11,908,000	6,217,108	19,213,914	4,019,101	7,572,812	5,456,016	13,568,919	3,171,759	6,900,314	4,727,220	8,758,028	105,069,331

Docket No. 3578

City of Newport, Rhode Island

Consumption Data From Newport
By Consumption Block

Revised Schedule RFC 5-C2

Customer Class	FY2000 (gallons)											Average	Annual		
	July	August	September	October	November	December	January	February	March	April	May			June	
Governmental-Gen															
Newport															
<56,000	100				1,350									725	1,450
>56,000	0				0									0	0
Total	100				1,350										
Middletown															
<56,000	4,300				27,800									16,050	32,100
>56,000	0				0									0	0
Total	4,300				27,800										
Governmental-City															
Combined															
<56,000				16,000				12,000					17,000	15,000	45,000
>56,000				0				0					0	0	0
Total				16,000				12,000					17,000		
Newport															
<56,000	1,627,350				1,778,850				1,483,650	1,800	1,800	1,800		815,875	4,895,250
>56,000	2,963,623				6,068,190				4,934,682	0	0	0		2,327,749	13,966,495
Total	4,590,973	0	0	0	7,847,040	0	0	0	6,418,332	1,800	1,800	1,800			
Total <56,000	1,631,750	0	0	16,000	1,808,000	0	0	12,000	1,483,650	1,800	1,800	18,800		847,650	4,973,800
Total >56,000	2,963,623	0	0	0	6,068,190	0	0	0	4,934,682	0	0	0		2,327,749	13,966,495
Govern. Total	4,595,373	0	0	16,000	7,876,190	0	0	12,000	6,418,332	1,800	1,800	18,800		3,175,399	18,940,295
Tertiary Total <56,000	51,278,817	69,012,553	75,424,208	78,319,022	51,723,490	59,132,164	61,158,357	62,672,983	43,966,644	55,417,246	56,173,723	64,917,260		61,948,511	729,196,467
Tertiary Total >56,000	17,521,143	16,302,396	19,214,615	21,251,348	24,144,923	7,810,922	7,778,890	9,572,123	15,558,556	3,999,506	6,671,558	9,237,517		14,433,448	159,063,497
Total-Tertiary Customers	68,799,960	85,314,949	94,638,823	99,570,370	75,868,413	66,943,086	68,937,247	72,245,106	59,525,200	59,416,752	62,845,281	74,154,777		76,381,959	888,259,964

Docket No. 3578

City of Newport, Rhode Island

Consumption Data From Newport
By Consumption Block

Revised Schedule RFC 5-C2

Customer Class	FY2000 (gallons)												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Monthly														
Residential														
Newport														
<14,000	452,200	457,600	452,900	452,300	418,500	428,150	415,100	435,200	432,300	434,150	398,650	421,500	433,213	5,198,550
>14,000	2,129,400	2,606,900	1,990,300	2,557,300	2,040,700	2,196,700	1,286,475	1,691,863	2,138,969	1,912,917	1,471,156	1,259,254	1,940,161	23,281,934
Total	2,581,600	3,064,500	2,443,200	3,009,600	2,459,200	2,624,850	1,701,575	2,127,063	2,571,269	2,347,067	1,869,806	1,680,754		
Middletown														
<14,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	336,000
>14,000	173,900	75,000	99,800	86,300	90,300	81,200	105,800	123,500	93,900	144,000	148,300	151,500	114,458	1,373,500
Total	201,900	103,000	127,800	114,300	118,300	109,200	133,800	151,500	121,900	172,000	176,300	179,500		
Portsmouth														
<14,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>14,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total <14,000	480,200	485,600	480,900	480,300	446,500	456,150	443,100	463,200	460,300	462,150	426,650	449,500	461,213	5,534,550
Total >14,000	2,303,300	2,681,900	2,090,100	2,643,600	2,131,000	2,277,900	1,392,275	1,815,363	2,232,869	2,056,917	1,619,456	1,410,754	2,054,620	24,655,434
Residential Total	2,783,500	3,167,500	2,571,000	3,123,900	2,577,500	2,734,050	1,835,375	2,278,563	2,693,169	2,519,067	2,046,106	1,860,254	2,515,832	30,189,984
Commercial														
Newport														
<14,000	2,489,778	2,455,526	2,465,516	2,377,164	2,214,715	2,202,665	2,199,215	2,050,715	2,113,565	2,202,015	2,389,415	2,454,140	2,301,202	27,614,429
>14,000	29,419,551	29,239,022	28,951,817	26,935,495	20,395,781	24,231,756	18,962,617	18,428,897	18,548,090	20,012,022	23,713,634	24,480,387	23,609,922	283,319,069
Total	31,909,329	31,694,548	31,417,333	29,312,659	22,610,496	26,434,421	21,161,832	20,479,612	20,661,655	22,214,037	26,103,049	26,934,527		
Middletown														
<14,000	2,192,800	2,168,500	2,192,300	2,163,025	2,105,600	2,101,223	2,033,212	2,038,350	2,055,600	2,079,150	2,182,775	2,205,825	2,126,530	25,518,360
>14,000	19,512,362	17,205,012	15,932,962	10,931,677	8,945,127	9,662,686	7,901,086	8,569,287	8,271,437	8,416,937	9,361,700	10,667,366	11,281,470	135,377,639
Total	21,705,162	19,373,512	18,125,262	13,094,702	11,050,727	11,763,909	9,934,298	10,607,637	10,327,037	10,496,087	11,544,475	12,873,191		
Portsmouth														
<14,000	283,600	254,000	265,300	237,900	154,700	137,500	143,200	139,700	140,000	249,650	247,820	236,530	207,492	2,489,900
>14,000	1,944,400	1,548,400	2,104,900	1,280,800	752,200	737,900	713,200	844,600	755,700	942,100	1,098,500	1,214,300	1,161,417	13,937,000
Total	2,228,000	1,802,400	2,370,200	1,518,700	906,900	875,400	856,400	984,300	895,700	1,191,750	1,346,320	1,450,830		
Total <14,000	4,966,178	4,878,026	4,923,116	4,778,089	4,475,015	4,441,388	4,375,627	4,228,765	4,309,165	4,530,815	4,820,010	4,896,495	4,635,224	55,622,689
Total >14,000	50,876,313	47,992,434	46,989,679	39,147,972	30,093,108	34,632,342	27,576,903	27,842,784	27,575,227	29,371,059	34,173,834	36,362,053	36,052,809	432,633,708
Commercial Total	55,842,491	52,870,460	51,912,795	43,926,061	34,568,123	39,073,730	31,952,530	32,071,549	31,884,392	33,901,874	38,993,844	41,258,548	40,688,033	488,256,397

Docket No. 3578

City of Newport, Rhode Island

Consumption Data From Newport
By Consumption Block

Revised Schedule RFC 5-C2

Customer Class	FY2000 (gallons)												Average	Annual	
	July	August	September	October	November	December	January	February	March	April	May	June			
Governmental-Gen Newport															
<14,000	28,000	14,000	28,000	28,000	36,050	31,010	35,740	35,700	36,900	31,900	24,600	34,900	30,400	364,800	
>14,000	62,000	34,600	139,500	67,700	88,800	47,800	67,700	60,100	54,200	44,700	36,300	75,400	64,900	778,800	
Total	90,000	48,600	167,500	95,700	124,850	78,810	103,440	95,800	91,100	76,600	60,900	110,300			
Middletown															
<14,000															
>14,000															
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Governmental-City Combined															
<14,000															
>14,000															
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Newport															
<14,000															
>14,000															
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total <14,000	28,000	14,000	28,000	28,000	36,050	31,010	35,740	35,700	36,900	31,900	24,600	34,900	30,400	364,800	
Total >14,000	62,000	34,600	139,500	67,700	88,800	47,800	67,700	60,100	54,200	44,700	36,300	75,400	64,900	778,800	
Governmental Total	90,000	48,600	167,500	95,700	124,850	78,810	103,440	95,800	91,100	76,600	60,900	110,300	95,300	1,143,600	
Monthly Total <14,000	5,474,378	5,377,626	5,432,016	5,286,389	4,957,565	4,928,548	4,854,467	4,727,665	4,806,365	5,024,865	5,271,260	5,380,895	5,126,837	61,522,039	
Monthly Total >14,000	53,241,613	50,708,934	49,219,279	41,859,272	32,312,908	36,958,042	29,036,878	29,718,247	29,862,296	31,472,676	35,829,590	37,848,207	38,172,329	458,067,942	
Total-Monthly Customers	58,715,991	56,086,560	54,651,295	47,145,661	37,270,473	41,886,590	33,891,345	34,445,912	34,668,661	36,497,541	41,100,850	43,229,102	43,299,165	519,589,981	
Newport Total	127,515,951	141,401,509	149,290,118	146,716,031	113,138,886	108,829,676	102,828,592	106,691,018	94,193,861	95,914,293	103,946,131	117,383,879	119,681,124	1,407,849,945	
Other Customers															
<u>Monthly</u>															
Navy (1)															
Newport	10,950,480	11,947,400	11,413,100	10,764,300	9,984,100	7,764,000	8,932,800	5,788,000	7,852,300	8,686,500	10,254,630	11,594,350	9,660,997	115,931,960	
Middletown	31,074,000	34,908,000	26,623,000	14,866,000	27,784,000	24,298,500	23,655,500	28,790,000	25,212,000	25,673,000	25,516,000	22,328,000	25,894,000	310,728,000	
Portsmouth	1,394,600	1,593,700	1,868,600	3,753,500	4,500,000	4,153,800	3,578,600	3,626,600	4,010,000	3,784,700	3,619,400	3,623,900	3,292,283	39,507,400	
Navy Total	43,419,080	48,449,100	39,904,700	29,383,800	42,268,100	36,216,300	36,166,900	38,204,600	37,074,300	38,144,200	39,390,030	37,546,250	38,847,280	466,167,360	
Portsmouth Water and Fire (1)															
Portsmouth	57,071,000	47,430,000	38,460,000	36,735,000	31,920,000	31,093,000	31,713,000	30,305,000	28,458,000	28,470,000	36,084,000	40,440,000	36,514,917	438,179,000	
Portsmouth Total	57,071,000	47,430,000	38,460,000	36,735,000	31,920,000	31,093,000	31,713,000	30,305,000	28,458,000	28,470,000	36,084,000	40,440,000	36,514,917	438,179,000	

(1) Consumption Block does not apply. Single rate for wholesale customers applies (Navy = \$2.0873 per 1,000 gallons; Portsmouth = \$1.658 per 1,000 gallons).

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Revised Support Schedule 5-C2

Customer Class	FY 2001											Average	Annual	
	July	August	September	October	November	December	January	February	March	April	May			June
Tertiary														
Residential														
Newport														
<56,000	21,974,272	36,889,816	49,287,184	50,697,956	22,181,244	32,685,065	40,698,593	43,826,650	18,255,075	29,376,275	36,857,835	43,188,136	35,493,175	425,918,101
>56,000	3,490,743	3,852,908	8,187,740	12,027,529	4,194,906	2,516,114	3,958,145	6,918,221	2,146,318	3,025,833	2,445,403	5,934,813	4,891,556	58,698,673
Total	25,465,015	40,742,724	57,474,924	62,725,485	26,376,150	35,201,179	44,656,738	50,744,871	20,401,393	32,402,108	39,303,238	49,122,949		
Middletown														
<56,000	18,551,028	23,607,696	17,545,931	18,526,692	17,686,646	20,105,632	15,206,739	16,564,028	15,502,316	19,924,367	14,576,376	17,955,841	17,979,441	215,753,292
>56,000	1,421,088	4,776,705	1,534,866	892,557	1,230,886	2,502,804	1,370,962	1,417,591	1,070,579	757,247	1,214,024	940,897	1,594,184	19,130,206
Total	19,972,116	28,384,401	19,080,797	19,419,249	18,917,532	22,608,436	16,577,701	17,981,619	16,572,895	20,681,614	15,790,400	18,896,738		
Portsmouth														
<56,000		2,933,696		26,000		2,710,026		26,000		2,566,678		33,000	1,382,567	8,295,400
>56,000		120,070		0		41,333		0		17,000		0	29,734	178,403
Total		3,053,766		26,000		2,751,359		26,000		2,583,678		33,000		
Total <56,000	40,525,300	63,431,208	66,833,115	69,250,648	39,867,890	55,500,723	55,905,332	60,416,678	33,757,391	51,867,320	51,434,211	61,176,977	54,855,183	649,966,793
Total >56,000	4,911,831	8,749,683	9,722,606	12,920,086	5,425,792	5,060,251	5,329,107	8,335,812	3,216,897	3,800,080	3,659,427	6,875,710	6,515,474	78,007,282
Residential Total	45,437,131	72,180,891	76,555,721	82,170,734	45,293,682	60,560,974	61,234,439	68,752,490	36,974,288	55,667,400	55,093,638	68,052,687	61,370,657	727,974,075
Commercial														
Newport														
<56,000	4,997,928	1,501,821	2,611,664	1,280,186	5,077,228	1,332,472	2,323,253	1,829,303	4,055,173	1,203,083	2,137,538	1,756,025	2,508,806	30,105,674
>56,000	5,049,778	1,492,760	1,887,150	4,287,737	6,801,950	1,072,030	1,220,028	1,660,713	2,498,550	489,200	647,350	1,787,475	2,407,893	28,894,721
Total	10,047,706	2,994,581	4,498,814	5,567,923	11,879,178	2,404,502	3,543,281	3,490,016	6,553,723	1,692,283	2,784,888	3,543,500		
Middletown														
<56,000	2,625,476	522,530	2,457,466	629,162	2,598,625	552,662	2,267,684	606,052	2,481,437	514,471	2,210,693	672,190	1,511,537	18,138,448
>56,000	4,800,050	735,300	4,027,250	203,000	5,693,400	690,950	1,891,800	160,100	4,802,000	468,350	1,205,050	186,900	2,072,013	24,864,150
Total	7,425,526	1,257,830	6,484,716	832,162	8,292,025	1,243,612	4,159,484	766,152	7,283,437	982,821	3,415,743	859,090		
Portsmouth														
<56,000		6,000				3,000				8,000			5,667	17,000
>56,000										0			0	0
Total	0	6,000	0	0	0	3,000	0	0	0	8,000	0	0		
Total <56,000	7,623,404	2,030,351	5,069,130	1,909,348	7,675,853	1,888,134	4,590,937	2,435,355	6,536,610	1,725,554	4,348,231	2,428,215	4,026,010	48,261,122
Total >56,000	9,849,828	2,228,060	5,914,400	4,490,737	12,495,350	1,762,980	3,111,828	1,820,813	7,300,550	957,550	1,852,400	1,974,375	4,479,906	53,758,871
Commercial Total	17,473,232	4,258,411	10,983,530	6,400,085	20,171,203	3,651,114	7,702,765	4,256,168	13,837,160	2,683,104	6,200,631	4,402,590	8,505,916	102,019,993

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Revised Support Schedule 5-C2

Customer Class	FY 2001												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Governmental-Gen														
Newport														
<56,000	0				0								0	0
>56,000	0				0								0	0
Total	0				0									
Middletown														
<56,000	4,300				27,800								16,050	32,100
>56,000	0				0								0	0
Total	4,300				27,800									
Governmental-City														
Combined														
<56,000	0			12,000				24,000				24,000	15,000	60,000
>56,000	0												0	0
Total	0	0	0	12,000	0			24,000	0			24,000		
Newport														
<56,000	1,492,000				1,531,600			1,447,650	1,800	1,800	1,800	1,800	746,108	4,476,650
>56,000	3,077,411				5,967,137			5,313,750	0	0	0	0	2,393,050	14,358,298
Total	4,569,411	0	0	0	7,498,737	0	0	6,761,400	1,800	1,800	1,800	1,800		
Total <56,000	1,496,300	0	0	12,000	1,559,400	0	0	24,000	1,447,650	1,800	1,800	25,800	777,158	4,568,750
Total >56,000	3,077,411	0	0	0	5,967,137	0	0	0	5,313,750	0	0	0	2,393,050	14,358,298
Govern. Total	4,573,711	0	0	12,000	7,526,537	0	0	24,000	6,761,400	1,800	1,800	25,800	3,170,208	18,927,048
Tertiary Total <56,000	49,645,004	65,461,559	71,902,245	71,171,996	49,103,143	57,388,857	60,496,269	62,876,033	41,741,651	53,594,674	55,784,242	63,630,992	59,658,351	702,796,665
Tertiary Total >56,000	17,839,070	10,977,743	15,637,006	17,410,823	23,888,279	6,823,231	8,440,935	10,156,625	15,831,197	4,757,630	5,511,827	8,850,085	13,388,429	146,124,451
Total-Tertiary Customers	67,484,074	76,439,302	87,539,251	88,582,819	72,991,422	64,212,088	68,937,204	73,032,658	57,572,848	58,352,304	61,296,069	72,481,077	73,046,781	848,921,116

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Revised Support Schedule 5-C2

Customer Class	FY 2001												Average	Annual		
	July	August	September	October	November	December	January	February	March	April	May	June				
Monthly																
Residential																
Newport																
<14,000	416,625	414,114	387,149	410,800	447,300	420,600	413,950	400,050	392,500	419,900	402,850	425,100	412,578	4,950,938		
>14,000	1,433,356	1,433,534	1,757,639	1,826,159	2,193,764	1,608,034	1,535,484	1,266,484	1,424,834	1,286,884	1,208,259	1,463,822	1,536,521	18,438,253		
Total	1,849,981	1,847,648	2,144,788	2,236,959	2,641,064	2,028,634	1,949,434	1,666,534	1,817,334	1,706,784	1,611,109	1,888,922				
Middletown																
<14,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	42,000	29,167	350,000		
>14,000	73,400	100,300	98,200	112,100	121,000	122,100	147,600	125,500	79,800	98,800	111,100	324,600	126,208	1,514,500		
Total	101,400	128,300	126,200	140,100	149,000	150,100	175,600	153,500	107,800	126,800	139,100	366,600				
Portsmouth																
<14,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
>14,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total <14,000	444,625	442,114	415,149	438,800	475,300	448,600	441,950	428,050	420,500	447,900	430,850	467,100	441,745	5,300,938		
Total >14,000	1,506,756	1,533,834	1,855,839	1,938,259	2,314,764	1,730,134	1,683,084	1,391,984	1,504,634	1,385,684	1,319,359	1,788,422	1,662,729	19,952,753		
Residential Total	1,951,381	1,975,948	2,270,988	2,377,059	2,790,064	2,178,734	2,125,034	1,820,034	1,925,134	1,833,584	1,750,209	2,255,522	2,104,474	25,253,691		
Commercial																
Newport																
<14,000	2,499,959	2,520,244	2,470,770	2,395,489	2,249,088	2,149,703	2,191,489	2,067,444	2,086,315	2,159,085	2,293,315	2,460,615	2,295,293	27,543,516		
>14,000	28,496,666	29,794,224	26,434,188	25,231,859	22,741,134	16,020,546	21,481,202	17,460,062	17,407,562	20,014,134	23,397,145	26,851,810	22,944,211	275,330,532		
Total	30,996,625	32,314,468	28,904,958	27,627,348	24,990,222	18,170,249	23,672,691	19,527,506	19,493,877	22,173,219	25,690,460	29,312,425				
Middletown																
<14,000	2,218,100	2,198,675	2,162,670	2,162,400	2,149,300	2,061,580	2,071,425	2,066,303	2,030,373	2,087,949	2,179,512	2,300,397	2,140,724	25,688,684		
>14,000	12,784,186	14,708,466	10,966,884	9,666,596	8,591,887	8,859,668	9,512,790	8,134,733	6,501,485	9,046,931	8,903,704	13,799,461	10,123,066	121,476,791		
Total	15,002,286	16,907,141	13,129,554	11,828,996	10,741,187	10,921,248	11,584,215	10,201,036	8,531,858	11,134,880	11,083,216	16,099,858				
Portsmouth																
<14,000	262,800	248,200	227,300	244,250	183,950	131,700	137,400	138,100	142,100	162,500	235,500	252,900	197,225	2,366,700		
>14,000	1,361,800	1,603,600	1,132,500	792,400	848,800	827,300	606,900	786,100	608,900	955,400	966,200	1,407,800	991,475	11,897,700		
Total	1,624,600	1,851,800	1,359,800	1,036,650	1,032,750	959,000	744,300	924,200	751,000	1,117,900	1,201,700	1,660,700				
Total <14,000	4,980,859	4,967,119	4,860,740	4,802,139	4,582,338	4,342,983	4,400,314	4,271,847	4,258,788	4,409,534	4,708,327	5,013,912	4,633,242	55,598,900		
Total >14,000	42,642,652	46,106,290	38,533,572	35,690,855	32,181,821	25,707,514	31,600,892	26,380,895	24,517,947	30,016,465	33,267,049	42,059,071	34,058,752	408,705,023		
Commercial Total	47,623,511	51,073,409	43,394,312	40,492,994	36,764,159	30,050,497	36,001,206	30,652,742	28,776,735	34,425,999	37,975,376	47,072,983	38,691,994	464,303,923		

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Revised Support Schedule 5-C2

Customer Class	FY 2001												Average	Annual		
	July	August	September	October	November	December	January	February	March	April	May	June				
Governmental-Gen																
Newport																
<14,000	38,300	38,300	18,800	31,700	31,300	32,200	37,200	28,000	28,000	28,000	28,000	28,000	30,650	367,800		
>14,000	52,300	72,500	22,200	101,100	45,500	44,200	70,400	27,800	53,400	43,000	41,000	36,600	50,833	610,000		
Total	90,600	110,800	41,000	132,800	76,800	76,400	107,600	55,800	81,400	71,000	69,000	64,600				
Middletown																
<14,000																
>14,000																
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Governmental-City																
Combined																
<14,000																
>14,000																
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Newport																
<14,000																
>14,000																
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total <14,000	38,300	38,300	18,800	31,700	31,300	32,200	37,200	28,000	28,000	28,000	28,000	28,000	30,650	367,800		
Total >14,000	52,300	72,500	22,200	101,100	45,500	44,200	70,400	27,800	53,400	43,000	41,000	36,600	50,833	610,000		
Governmental Total	90,600	110,800	41,000	132,800	76,800	76,400	107,600	55,800	81,400	71,000	69,000	64,600	81,483	977,800		
Monthly Total <14,000	5,463,784	5,447,533	5,294,689	5,272,639	5,088,938	4,823,783	4,879,464	4,727,897	4,707,288	4,885,434	5,167,177	5,509,012	5,105,637	61,267,638		
Monthly Total >14,000	44,201,708	47,712,624	40,411,611	37,730,214	34,542,085	27,481,848	33,354,376	27,800,679	26,075,981	31,445,149	34,627,408	43,884,093	35,772,315	429,267,776		
Total-Monthly Customers	49,665,492	53,160,157	45,706,300	43,002,853	39,631,023	32,305,631	38,233,840	32,528,576	30,783,269	36,330,583	39,794,585	49,393,105	40,877,951	490,535,414		
Newport Total	117,149,566	129,599,459	133,245,551	131,585,672	112,622,445	96,517,719	107,171,044	105,561,234	88,356,117	94,682,887	101,090,654	121,874,182	113,924,732	1,339,456,530		
Other Customers																
<u>Monthly</u>																
Navy (1)																
Newport	14,541,920	15,937,000	14,240,320	7,830,140	10,038,020	9,225,000	9,332,020	9,742,000	8,951,000	10,085,000	10,760,000	14,169,000	11,237,618	134,851,420		
Middletown	21,300,000	20,629,000	18,544,000	18,857,000	23,267,000	23,822,500	28,227,200	28,624,300	24,250,000	24,530,000	22,402,500	16,266,700	22,560,017	270,720,200		
Portsmouth	3,622,300	3,792,300	4,200,000	3,700,300	3,703,200	3,762,800	3,844,200	3,824,400	3,795,300	3,665,900	3,416,800	3,348,300	3,722,983	44,675,800		
Navy Total	39,464,220	40,358,300	36,984,320	30,387,440	37,008,220	36,810,300	41,403,420	42,190,700	36,996,300	38,280,900	36,579,300	33,784,000	37,520,618	450,247,420		
Portsmouth Water and Fire																
Portsmouth	50,313,000	39,370,000	35,070,000	37,386,000	32,010,000	31,837,000	31,217,000	27,468,000	30,287,000	31,200,000	49,414,000	47,010,000	36,881,833	442,582,000		
Portsmouth Total	50,313,000	39,370,000	35,070,000	37,386,000	32,010,000	31,837,000	31,217,000	27,468,000	30,287,000	31,200,000	49,414,000	47,010,000	36,881,833	442,582,000		

(1) Consumption Block do

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Revised Support Schedule 5-C2

Customer Class	FY 2002												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Tertiary														
Residential														
Newport														
<56,000	20,991,969	35,782,762	47,456,704	52,202,176	21,858,933	33,031,230	41,436,741	42,732,392	18,544,794	30,270,009	37,089,318	43,576,181	35,414,434	424,973,209
>56,000	3,090,930	6,513,176	10,550,346	12,574,895	3,500,794	3,302,535	5,720,549	5,316,467	1,321,587	725,105	6,295,335	6,185,039	5,424,730	65,096,758
Total	24,082,899	42,295,938	58,007,050	64,777,071	25,359,727	36,333,765	47,157,290	48,048,859	19,866,381	30,995,114	43,384,653	49,761,220		
Middletown														
<56,000	19,234,404	24,029,931	17,233,350	19,112,246	18,298,256	22,306,255	15,782,875	16,629,132	16,730,371	19,920,486	14,110,008	17,807,550	18,432,905	221,194,864
>56,000	1,647,725	9,238,078	546,941	1,439,216	2,761,692	3,623,947	910,144	720,527	1,344,123	922,003	1,030,796	1,287,987	2,122,765	25,473,179
Total	20,882,129	33,268,009	17,780,291	20,551,462	21,059,948	25,930,202	16,693,019	17,349,659	18,074,494	20,842,489	15,140,804	19,095,537		
Portsmouth														
<56,000		2,866,883		48,000		2,919,598		0		2,676,853		0	1,418,556	8,511,334
>56,000		126,858		0		21,248		0		0		0	24,684	148,106
Total		2,993,741		48,000		2,940,846		0		2,676,853		0		
Total <56,000	40,226,373	62,679,576	64,690,054	71,362,422	40,157,189	58,257,083	57,219,616	59,361,524	35,275,165	52,867,348	51,199,326	61,383,731	55,265,895	654,679,407
Total >56,000	4,738,655	15,878,112	11,097,287	14,014,111	6,262,486	6,947,730	6,630,693	6,036,994	2,665,710	1,647,108	7,326,131	7,473,026	7,572,179	90,718,043
Residential Total	44,965,028	78,557,688	75,787,341	85,376,533	46,419,675	65,204,813	63,850,309	65,398,518	37,940,875	54,514,456	58,525,457	68,856,757	62,838,074	745,397,450
Commercial														
Newport														
<56,000	4,889,933	1,611,617	2,858,832	1,313,864	4,704,115	1,483,452	2,415,398	1,859,720	3,794,606	1,220,342	2,354,029	1,944,900	2,537,567	30,450,808
>56,000	5,528,989	1,657,750	1,694,200	4,495,744	5,938,266	1,171,150	943,000	2,160,260	3,142,732	309,600	770,339	2,076,115	2,490,679	29,888,145
Total	10,418,922	3,269,367	4,553,032	5,809,608	10,642,381	2,654,602	3,358,398	4,019,980	6,937,338	1,529,942	3,124,368	4,021,015		
Middletown														
<56,000	2,532,694	573,917	2,454,076	715,391	2,479,697	630,919	2,215,214	638,398	2,348,129	495,430	2,134,250	618,997	1,486,426	17,837,112
>56,000	5,134,500	1,089,800	3,472,450	157,400	5,090,187	1,074,800	1,252,500	154,100	3,771,800	275,300	779,950	230,000	1,873,566	22,482,787
Total	7,667,194	1,663,717	5,926,526	872,791	7,569,884	1,705,719	3,467,714	792,498	6,119,929	770,730	2,914,200	848,997		
Portsmouth														
<56,000		7,000				4,000				6,000			5,667	17,000
>56,000										0			0	0
Total	0	7,000	0	0	0	4,000	0	0	0	6,000	0	0		
Total <56,000	7,422,627	2,192,534	5,312,908	2,029,255	7,183,812	2,118,371	4,630,612	2,498,118	6,142,735	1,721,772	4,488,279	2,563,897	4,029,660	48,304,920
Total >56,000	10,663,489	2,747,550	5,166,650	4,653,144	11,028,453	2,245,950	2,195,500	2,314,360	6,914,532	584,900	1,550,289	2,306,115	4,364,244	52,370,932
Commercial Total	18,086,116	4,940,084	10,479,558	6,682,399	18,212,265	4,364,321	6,826,112	4,812,478	13,057,267	2,306,672	6,038,568	4,870,012	8,393,904	100,675,852

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Revised Support Schedule 5-C2

Customer Class	FY 2002												Average	Annual	
	July	August	September	October	November	December	January	February	March	April	May	June			
Governmental-Gen															
Newport															
<56,000		0			8,000				3,000					3,667	11,000
>56,000		0												0	0
Total		0			8,000				3,000					3,667	11,000
Middletown															
<56,000		4,000				700								2,350	4,700
>56,000		0				0								0	0
Total		4,000				700								2,350	4,700
Governmental-City															
Combined															
<56,000				27,000				0						13,500	27,000
>56,000								0						0	0
Total				27,000				0						13,500	27,000
Newport															
<56,000	1,525,850	5,050	5,050	5,050	1,567,300	0	0	0	1,210,275	0	0	0	359,881	4,318,575	
>56,000	4,829,900	0	0	0	6,480,000	0	0	0	2,701,150	0	0	0	1,167,588	14,011,050	
Total	6,355,750	5,050	5,050	5,050	8,047,300	0	0	0	3,911,425	0	0	0			
Total <56,000	1,529,850	5,050	5,050	32,050	1,576,000	0	0	0	1,213,275	0	0	0	379,398	4,361,275	
Total >56,000	4,829,900	0	0	0	6,480,000	0	0	0	2,701,150	0	0	0	1,167,588	14,011,050	
Govern. Total	6,359,750	5,050	5,050	32,050	8,056,000	0	0	0	3,914,425	0	0	0	1,546,985	18,372,325	
Tertiary Total <56,000	49,178,850	64,877,160	70,008,012	73,423,727	48,917,001	60,375,454	61,850,228	61,859,642	42,631,175	54,589,120	55,687,605	63,947,628	59,674,953	707,345,602	
Tertiary Total >56,000	20,232,044	18,625,662	16,263,937	18,667,255	23,770,939	9,193,680	8,826,193	8,351,354	12,281,392	2,232,008	8,876,420	9,779,141	13,104,011	157,100,025	
Total-Tertiary Customers	69,410,894	83,502,822	86,271,949	92,090,982	72,687,940	69,569,134	70,676,421	70,210,996	54,912,567	56,821,128	64,564,025	73,726,769	72,778,964	864,445,627	

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Revised Support Schedule 5-C2

Customer Class	FY 2002												Average	Annual		
	July	August	September	October	November	December	January	February	March	April	May	June				
Monthly																
Residential																
Newport																
<14,000	396,700	430,650	436,030	463,070	453,650	433,600	433,400	422,450	420,700	403,100	444,600	478,850	434,733	5,216,800		
>14,000	1,443,816	1,280,094	2,029,405	2,113,934	2,327,584	1,531,184	1,195,209	847,977	1,822,054	996,934	1,793,934	2,380,634	1,646,897	19,762,759		
Total	1,840,516	1,710,744	2,465,435	2,577,004	2,781,234	1,964,784	1,628,609	1,270,427	2,242,754	1,400,034	2,238,534	2,859,484				
Middletown																
<14,000	42,000	42,000	41,650	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	41,971	503,650		
>14,000	206,900	290,100	182,700	269,750	202,800	176,300	235,000	190,500	197,900	205,900	299,400	158,900	218,013	2,616,150		
Total	248,900	332,100	224,350	311,750	244,800	218,300	277,000	232,500	239,900	247,900	341,400	200,900				
Portsmouth																
<14,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
>14,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total <14,000	438,700	472,650	477,680	505,070	495,650	475,600	475,400	464,450	462,700	445,100	486,600	520,850	476,704	5,720,450		
Total >14,000	1,650,716	1,570,194	2,212,105	2,383,684	2,530,384	1,707,484	1,430,209	1,038,477	2,019,954	1,202,834	2,093,334	2,539,534	1,864,909	22,378,909		
Residential Total	2,089,416	2,042,844	2,689,785	2,888,754	3,026,034	2,183,084	1,905,609	1,502,927	2,482,654	1,647,934	2,579,934	3,060,384	2,341,613	28,099,359		
Commercial																
Newport																
<14,000	2,426,095	2,481,743	2,466,315	2,388,036	2,235,112	2,101,823	2,105,220	2,039,356	2,088,697	2,153,803	2,333,047	2,420,650	2,269,991	27,239,897		
>14,000	28,114,790	31,311,317	30,184,139	24,109,615	21,105,147	15,963,557	22,276,408	18,191,593	17,983,029	19,265,769	23,348,481	22,301,566	22,846,284	274,155,411		
Total	30,540,885	33,793,060	32,650,454	26,497,651	23,340,259	18,065,380	24,381,628	20,230,949	20,071,726	21,419,572	25,681,528	24,722,216				
Middletown																
<14,000	2,189,753	2,210,600	2,217,363	2,280,413	2,147,600	2,059,525	2,084,950	2,031,350	2,052,250	2,141,950	2,194,800	2,140,300	2,145,905	25,750,854		
>14,000	11,167,437	12,322,139	12,147,118	12,342,322	8,224,102	7,388,868	8,711,247	7,476,406	9,662,204	8,895,350	12,586,403	8,276,887	9,933,374	119,200,483		
Total	13,357,190	14,532,739	14,364,481	14,622,735	10,371,702	9,448,393	10,796,197	9,507,756	11,714,454	11,037,300	14,781,203	10,417,187				
Portsmouth																
<14,000	249,600	233,450	266,200	215,250	181,900	135,850	139,800	141,400	146,100	185,280	265,370	274,550	202,896	2,434,750		
>14,000	1,216,600	1,578,000	1,672,850	1,500,300	661,500	798,200	711,290	604,610	604,900	1,031,450	920,350	818,350	1,009,867	12,118,400		
Total	1,466,200	1,811,450	1,939,050	1,715,550	843,400	934,050	851,090	746,010	751,000	1,216,730	1,185,720	1,092,900				
Total <14,000	4,865,448	4,925,793	4,949,878	4,883,699	4,564,612	4,297,198	4,329,970	4,212,106	4,287,047	4,481,033	4,793,217	4,835,500	4,618,792	55,425,501		
Total >14,000	40,498,827	45,211,456	44,004,107	37,952,237	29,990,749	24,150,625	31,698,945	26,272,609	28,250,133	29,192,569	36,855,234	31,396,803	33,789,525	405,474,294		
Commercial Total	45,364,275	50,137,249	48,953,985	42,835,936	34,555,361	28,447,823	36,028,915	30,484,715	32,537,180	33,673,602	41,648,451	36,232,303	38,408,316	460,899,795		

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Revised Support Schedule 5-C2

Customer Class	FY 2002												Average	Annual		
	July	August	September	October	November	December	January	February	March	April	May	June				
Governmental-Gen																
Newport																
<14,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	336,000
>14,000	66,900	73,400	56,400	35,600	58,700	28,000	36,100	22,900	16,500	50,900	44,900	39,000	44,108	529,300		
Total	94,900	101,400	84,400	63,600	86,700	56,000	64,100	50,900	44,500	78,900	72,900	67,000				
Middletown																
<14,000																
>14,000																
Total	0	0	0	0	0	0	0	0	0	0	0	0				
Governmental-City																
Combined																
<14,000																
>14,000																
Total	0	0	0	0	0	0	0	0	0	0	0	0				
Newport																
<14,000																
>14,000																
Total	0	0	0	0	0	0	0	0	0	0	0	0				
Total <14,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	336,000
Total >14,000	66,900	73,400	56,400	35,600	58,700	28,000	36,100	22,900	16,500	50,900	44,900	39,000	44,108	529,300		
Governmental Total	94,900	101,400	84,400	63,600	86,700	56,000	64,100	50,900	44,500	78,900	72,900	67,000	72,108	865,300		
Monthly Total <14,000	5,332,148	5,426,443	5,455,558	5,416,769	5,088,262	4,800,798	4,833,370	4,704,556	4,777,747	4,954,133	5,307,817	5,384,350	5,123,496	61,481,951		
Monthly Total >14,000	42,216,443	46,855,050	46,272,612	40,371,521	32,579,833	25,886,109	33,165,254	27,333,986	30,286,587	30,446,303	38,993,468	33,975,337	35,698,542	428,382,503		
Total-Monthly Customers	47,548,591	52,281,493	51,728,170	45,788,290	37,668,095	30,686,907	37,998,624	32,038,542	35,064,334	35,400,436	44,301,285	39,359,687	40,822,038	489,864,454		
Newport Total	116,959,485	135,784,315	138,000,119	137,879,272	110,356,035	100,256,041	108,675,045	102,249,538	89,976,901	92,221,564	108,865,310	113,086,456	113,601,002	1,354,310,081		
Other Customers																
<u>Monthly</u>																
Navy (1)																
Newport	13,899,000	15,081,000	16,177,000	9,805,000	9,970,000	9,588,000	9,175,000	9,013,000	8,420,100	9,456,000	10,013,100	10,469,000	10,922,183	131,066,200		
Middletown	14,021,100	13,627,300	12,723,800	9,827,400	16,609,700	15,627,200	17,831,200	15,504,700	14,676,300	15,304,300	15,941,500	13,470,700	14,597,100	175,165,200		
Portsmouth	99,000	13,000	7,000	40,000	187,000	193,000	239,000	8,000	5,000	6,000	10,000	13,000	68,333	820,000		
Navy Total	28,019,100	28,721,300	28,907,800	19,672,400	26,766,700	25,408,200	27,245,200	24,525,700	23,101,400	24,766,300	25,964,600	23,952,700	25,587,617	307,051,400		
Portsmouth Water and Fire																
Portsmouth	48,732,000	48,174,000	46,020,000	40,052,000	36,900,000	30,876,000	31,217,000	27,468,000	30,380,000	33,840,000	37,758,000	43,725,000	37,928,500	455,142,000		
Portsmouth Total	48,732,000	48,174,000	46,020,000	40,052,000	36,900,000	30,876,000	31,217,000	27,468,000	30,380,000	33,840,000	37,758,000	43,725,000	37,928,500	455,142,000		

(1) Consumption Block do

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Customer Class	FY 2003												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Tertiary														
Residential														
Newport														
<56,000	20,325,934	37,802,943	49,227,801	53,082,777	22,952,645	33,620,887	40,414,287	44,299,861	18,356,553	29,960,881	37,934,693	40,314,993	35,691,188	428,294,255
>56,000	2,677,906	4,393,571	11,007,139	14,541,138	3,386,145	3,569,929	3,337,261	6,556,764	1,906,050	1,034,233	5,449,960	9,446,227	5,608,860	67,306,323
Total	23,003,840	42,196,514	60,234,940	67,623,915	26,338,790	37,190,816	43,751,548	50,856,625	20,262,603	31,043,576	40,940,694	46,029,880		
Middletown														
<56,000	20,304,487	26,838,023	18,627,965	19,657,305	19,369,183	21,756,196	15,307,502	17,224,253	16,532,712	20,763,026	14,194,292	16,684,478	18,938,285	227,259,422
>56,000	1,697,139	9,441,654	1,647,305	2,059,267	1,702,266	3,282,646	955,100	982,168	995,356	79,463	946,512	2,411,059	2,183,328	26,199,935
Total	22,001,626	36,279,677	20,275,270	21,716,572	21,071,449	25,038,842	16,262,602	18,206,421	17,528,068	21,724,046	15,322,646	17,338,056		
Portsmouth														
<56,000		3,663,811				3,090,635		0		3,133,507		0	1,977,591	9,887,953
>56,000		77,000				8,875		0		1,000		0	17,375	86,875
Total		3,740,811				3,099,510		0		3,134,507		0		
Total <56,000	40,630,421	68,304,777	67,855,766	75,830,717	42,321,828	58,467,718	55,721,789	61,524,114	34,889,265	53,857,414	52,128,985	56,999,471	56,607,064	665,441,630
Total >56,000	4,375,045	13,912,225	12,654,444	16,609,280	5,088,411	6,861,450	4,292,361	7,538,932	2,901,406	1,114,696	6,396,472	11,857,286	7,809,563	93,593,133
Residential Total	45,005,466	82,217,002	80,510,210	92,439,997	47,410,239	65,329,168	60,014,150	69,063,046	37,790,671	54,972,110	58,525,457	68,856,757	64,416,627	759,034,763
Commercial														
Newport														
<56,000	4,746,840	1,666,814	2,844,725	2,093,120	5,009,108	1,607,618	2,664,961	1,981,420	2,384,908	1,238,852	2,413,932	1,749,622	2,533,493	30,401,920
>56,000	5,712,426	1,791,950	1,749,750	3,597,488	7,270,405	1,260,226	906,300	2,207,677	5,556,932	206,500	523,300	1,473,000	2,687,996	32,255,954
Total	10,459,266	3,458,764	4,594,475	5,690,608	12,279,513	2,867,844	3,571,261	4,189,097	7,941,840	1,445,352	2,937,232	3,222,622		
Middletown														
<56,000	2,430,716	588,094	2,617,389	645,028	2,538,121	479,795	2,369,583	565,088	2,448,527	420,179	2,182,266	686,128	1,497,576	17,970,914
>56,000	4,258,969	1,205,040	2,813,450	212,500	5,410,935	568,260	1,183,700	282,000	4,552,590	269,400	1,066,100	1,564,250	1,948,933	23,387,194
Total	6,689,685	1,793,134	5,430,839	857,528	7,949,056	1,048,055	3,553,283	847,088	7,001,117	689,579	3,248,366	2,250,378		
Portsmouth														
<56,000		6,000				7,000				8,000			7,000	21,000
>56,000										0			0	0
Total	0	6,000	0	0	0	7,000	0	0	0	8,000	0	0		
Total <56,000	7,177,556	2,260,908	5,462,114	2,738,148	7,547,229	2,094,413	5,034,544	2,546,508	4,833,435	1,667,031	4,596,198	2,435,750	4,038,070	48,393,834
Total >56,000	9,971,395	2,996,990	4,563,200	3,809,988	12,681,340	1,828,486	2,090,000	2,489,677	10,109,522	475,900	1,589,400	3,037,250	4,636,929	55,643,148
Commercial Total	17,148,951	5,257,898	10,025,314	6,548,136	20,228,569	3,922,899	7,124,544	5,036,185	14,942,957	2,142,931	6,185,598	5,473,000	8,674,999	104,036,982

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Customer Class	FY 2003												Average	Annual	
	July	August	September	October	November	December	January	February	March	April	May	June			
Governmental-Gen															
Newport															
<56,000	2,000				7,000				1,000					3,333	10,000
>56,000	0													0	0
Total	2,000				7,000				1,000					3,333	10,000
Middletown															
<56,000	700				0									350	700
>56,000	0				0									0	0
Total	700				0									350	700
Governmental-City															
Combined															
<56,000				0				0						0	0
>56,000								0						0	0
Total				0				0				0		0	0
Newport															
<56,000	1,462,000	0	0	0	1,462,050	250	250	250	1,238,625	250	250	250	347,015	4,164,175	
>56,000	4,885,600	0	0	0	4,945,700	0	0	0	4,507,350	0	0	0	1,194,888	14,338,650	
Total	6,347,600	0	0	0	6,407,750	250	250	250	5,745,975	250	250	250			
Total <56,000	1,464,700	0	0	0	1,469,050	250	250	250	1,239,625	250	250	250	350,698	4,174,875	
Total >56,000	4,885,600	0	0	0	4,945,700	0	0	0	4,507,350	0	0	0	1,194,888	14,338,650	
Govern. Total	6,350,300	0	0	0	6,414,750	250	250	250	5,746,975	250	250	250	1,545,585	18,513,525	
Tertiary Total <56,000	49,272,677	70,565,685	73,317,880	78,568,865	51,338,107	60,562,381	60,756,583	64,070,872	40,962,325	55,524,695	56,725,433	59,435,471	60,995,831	718,010,339	
Tertiary Total >56,000	19,232,040	16,909,215	17,217,644	20,419,268	22,715,451	8,689,936	6,382,361	10,028,609	17,518,278	1,590,596	7,985,872	14,894,536	13,641,380	163,574,931	
Total-Tertiary Customers	68,504,717	87,474,900	90,535,524	98,988,133	74,053,558	69,252,317	67,138,944	74,099,481	58,480,603	57,115,291	64,711,305	74,330,007	74,637,211	881,585,270	

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Customer Class	FY 2003												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Monthly														
Residential														
Newport														
<14,000	481,600	413,230	475,100	449,800	462,050	440,300	443,950	443,050	417,200	429,850	443,400	444,575	445,342	5,344,105
>14,000	1,499,884	1,708,654	1,470,559	1,946,272	2,126,816	1,549,394	1,265,780	1,295,725	1,638,815	1,429,620	2,323,218	1,868,869	1,676,967	20,123,606
Total	1,981,484	2,121,884	1,945,659	2,396,072	2,588,866	1,989,694	1,709,730	1,738,775	2,056,015	1,859,470	2,766,618	2,313,444		
Middletown														
<14,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	504,000
>14,000	171,200	252,700	169,000	258,700	175,500	234,600	198,400	231,500	195,100	228,300	205,400	191,300	209,308	2,511,700
Total	213,200	294,700	211,000	300,700	217,500	276,600	240,400	273,500	237,100	270,300	247,400	233,300		
Portsmouth														
<14,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>14,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total <14,000	523,600	455,230	517,100	491,800	504,050	482,300	485,950	485,050	459,200	471,850	485,400	486,575	487,342	5,848,105
Total >14,000	1,671,084	1,961,354	1,639,559	2,204,972	2,302,316	1,783,994	1,464,180	1,527,225	1,833,915	1,657,920	2,528,618	2,060,169	1,886,276	22,635,306
Residential Total	2,194,684	2,416,584	2,156,659	2,696,772	2,806,366	2,266,294	1,950,130	2,012,275	2,293,115	2,129,770	3,014,018	2,546,744	2,373,618	28,483,411
Commercial														
Newport														
<14,000	2,487,349	2,491,301	2,463,900	2,387,876	2,237,533	2,139,894	2,124,448	2,055,761	2,033,419	2,087,018	2,275,399	2,227,849	2,250,979	27,011,747
>14,000	34,856,837	36,191,046	29,519,860	25,770,091	21,405,608	18,841,238	17,341,829	16,336,655	16,602,913	19,863,031	25,539,576	25,802,734	24,005,952	288,071,418
Total	37,344,186	38,682,347	31,983,760	28,157,967	23,643,141	20,981,132	19,466,277	18,392,416	18,636,332	21,950,049	27,814,975	28,030,583		
Middletown														
<14,000	2,338,950	2,285,250	2,216,200	2,186,200	1,852,060	2,101,600	2,087,300	2,091,800	2,009,375	2,110,988	2,190,757	2,194,185	2,138,722	25,664,665
>14,000	15,398,084	15,673,329	11,155,168	12,184,704	7,921,571	8,725,169	8,571,526	8,662,199	7,865,591	9,106,400	9,384,192	9,780,257	10,369,016	124,428,190
Total	17,737,034	17,958,579	13,371,368	14,370,904	9,773,631	10,826,769	10,658,826	10,753,999	9,874,966	11,217,388	11,574,949	11,974,442		
Portsmouth														
<14,000	261,850	260,000	252,700	241,500	207,050	184,600	114,490	112,000	145,775	166,100	218,950	217,200	198,518	2,382,215
>14,000	1,304,100	1,384,525	1,259,600	1,232,500	661,100	659,000	487,910	745,100	515,350	662,350	618,000	702,900	852,703	10,232,435
Total	1,565,950	1,644,525	1,512,300	1,474,000	868,150	843,600	602,400	857,100	661,125	828,450	836,950	920,100		
Total <14,000	5,088,149	5,036,551	4,932,800	4,815,576	4,296,643	4,426,094	4,326,238	4,259,561	4,188,569	4,364,106	4,685,106	4,639,234	4,588,219	55,058,627
Total >14,000	51,559,021	53,248,900	41,934,628	39,187,295	29,988,279	28,225,407	26,401,265	25,743,954	24,983,854	29,631,781	35,541,768	36,285,891	35,227,670	422,732,043
Commercial Total	56,647,170	58,285,451	46,867,428	44,002,871	34,284,922	32,651,501	30,727,503	30,003,515	29,172,423	33,995,887	40,226,874	40,925,125	39,815,889	477,790,670

Docket No. 3578

City of Newport, Rhode Isl

Consumption Data From N
By Consumption Block

Customer Class	FY 2003												Average	Annual	
	July	August	September	October	November	December	January	February	March	April	May	June			
Governmental-Gen															
Newport															
<14,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	336,000
>14,000	66,900	73,400	56,400	35,600	58,700	28,000	36,100	22,900	16,500	50,900	44,900	39,000	44,108	529,300	
Total	94,900	101,400	84,400	63,600	86,700	56,000	64,100	50,900	44,500	78,900	72,900	67,000			
Middletown															
<14,000															
>14,000															
Total	0	0	0	0	0	0	0	0	0	0	0	0			
Governmental-City															
Combined															
<14,000															
>14,000															
Total	0	0	0	0	0	0	0	0	0	0	0	0			
Newport															
<14,000															
>14,000															
Total	0	0	0	0	0	0	0	0	0	0	0	0			
Total <14,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	336,000
Total >14,000	66,900	73,400	56,400	35,600	58,700	28,000	36,100	22,900	16,500	50,900	44,900	39,000	44,108	529,300	
Governmental Total	94,900	101,400	84,400	63,600	86,700	56,000	64,100	50,900	44,500	78,900	72,900	67,000	72,108	865,300	
Monthly Total <14,000	5,639,749	5,519,781	5,477,900	5,335,376	4,828,693	4,936,394	4,840,188	4,772,611	4,675,769	4,863,956	5,198,506	5,153,809	5,103,561	61,242,732	
Monthly Total >14,000	53,297,005	55,283,654	43,630,587	41,427,867	32,349,295	30,037,401	27,901,545	27,294,079	26,834,269	31,340,601	38,115,286	38,385,060	37,158,054	445,896,649	
Total-Monthly Customers	58,936,754	60,803,435	49,108,487	46,763,243	37,177,988	34,973,795	32,741,733	32,066,690	31,510,038	36,204,557	43,313,792	43,538,869	42,261,615	507,139,381	
Newport Total	127,441,471	148,278,335	139,644,011	145,751,376	111,231,546	104,226,112	99,880,677	106,166,171	89,990,641	93,319,848	108,025,097	117,868,876	116,898,826	1,388,724,651	
Other Customers															
<u>Monthly</u>															
Navy (1)															
Newport	3,495,100	19,054,000	11,879,100	10,961,000	6,496,000	7,920,500	16,341,700	8,894,200	9,529,300	11,722,000	10,398,100	11,146,000	10,629,290	106,292,900	
Middletown	17,013,700	17,325,600	15,166,400	17,344,600	12,190,000	18,692,600	23,857,100	18,566,800	18,366,000	22,036,500	17,483,900	18,355,200	18,055,930	180,559,300	
Portsmouth	179,000	0	64,000	4,000	4,000	5,000	0	0	9,000	151,000	1,648,000	1,923,000	41,600	416,000	
Navy Total	20,687,800	36,379,600	27,109,500	28,309,600	18,690,000	26,618,100	40,198,800	27,461,000	27,904,300	33,909,500	29,530,000	31,424,200	28,726,820	287,268,200	
Portsmouth Water and Fire															
Portsmouth	0	0	62,186,000	54,622,000	37,020,000	35,867,000	31,800,000	31,713,000	31,682,000	27,860,000	30,566,000	32,280,000	31,299,667	375,596,000	
Portsmouth Total	0	0	62,186,000	54,622,000	37,020,000	35,867,000	31,800,000	31,713,000	31,682,000	27,860,000	30,566,000	32,280,000	31,299,667	375,596,000	

(1) Consumption Block do

City of Newport, Rhode Island

Revised Schedule RFC 5-D

Derivation of Revised Capacity Factors for Max Day Demand
Determination of NonCoincident Capacity Factors By Class (1)
Maximum Day Capacity Factors
Calculation of Max Month Capacity Factors

Customer Class	Max Month - Average Day Demand (<i>thous gpd</i>) (2) & (3)	Average Day Demand <i>thous gpd</i>	Max Month Ratio
Residential	2,555	1,956	1.31
Commercial	2,952	1,708	1.73
Governmental	72	51	1.41
Navy	1,615	1,125	1.44
Portsmouth (2a)	2,006	1,148	1.75
System wide Coincident Maximum Day Demand			12,644 <i>thous gpd</i>
System wide Coincident Maximum-Hour Demand			15,667 <i>thous gpd</i>
System wide Coincident Maximum-Month Avg. Day Demand (2)			9,200 <i>thous gpd</i>
System wide Coincident Maximum-Day (Max Day)/			1.37
System wide Coincident Max Month Avg. Day Demand Ratio			
Projected FY 2004 System Average Day Production			6,043 <i>thous gpd</i>

- (1) Methodology from Appendix A "Development of Capacity Factors by Class" of AWWA M-1 Manual.
- (2) Monthly Demand for customers in Residential and Governmental classes not available. Customer billed every four months. Assumption made that average monthly demand for four month period is monthly demand.
- (2a) From actual PWFD SCADA data for FY 1999 - FY 2003.
- (3) Max month demand determined from FY 1999 through FY 2003 billable demand data.

City of Newport, Rhode Island

Revised Schedule RFC 5-D

Derivation of Revised Capacity Factors for Max Day Demand

Calculation of NonCoincident Max Day Capacity Factor

	Residential	Commercial	Governmental	Navy	Portsmouth
Class Max-month (MM) Average Day Demand/Class Average Day (AD) Demand Factor	1.31	1.73	1.41	1.44	1.75
System Max Day Demand/System Max Month Avg. Day Demand	1.47	1.47	1.47	1.47	1.47
Weekly Usage Adjustment (4)	1.05	1.17	1.17	1.00	1.00
Calculated Max Day Capacity Factor (4a)	2.01	2.96	2.43	2.10	2.56
Capacity Factor from Chapter 8 AWWA M-1 Manual (4b)	2.50	2.00	2.00	2.13	2.25

(4) Adjustment factor to recognize the daily variations in usage for retail classes.

(4a) Capacity Factor calculated by : MM/AD Factor x System MD demand/System MM demand Ratio x Adjustment

(4b) For Comparison Purposes Only

Test of System Diversity (5)

	Annual Average Rate <i>thous gpd</i>	Calculated Max Day Capacity Factor	Noncoincident Demand <i>thous gpd</i>
Residential Max Day Demand	1,956	201%	3,933
Commercial Max Day Demand	1,708	296%	5,065
Governmental Max Day Demand	51	243%	124
Navy Max Day Demand	1,125	210%	2,368
Portsmouth Max Day Demand	1,148	256%	2,941
Total Noncoincident Demand			14,431
Noncoincident Max Day Capacity Factor:	14431 gpd/6044 gpd =		2.39
Coincident Max Day Capacity Factor:	12645 gpd/6044 gpd =		2.09
System Max Day Diversity (6):		2.39/2.1	1.14

(5) The AWWA M-1 Manual states: "To test the reasonableness of the maximum day and hour capacity factors, the noncoincidental demands resulting from the application of the above capacity factors to the annual average daily demands of each class must be summed and compared against the actual coincidental system demands. This relationship of the noncoincidental to the coincidental demands is referred to as the measure of the system diversity of demand."

(6) Acceptable ranges for system diversity are 1.10 to 1.40 for max day and max hour capacity factors.

Docket No. 3578

City of Newport, Rhode Island

Total Plant Use

Revised Schedule RFC 5-E

Plant Use

Station #1									
FY 1999 Month	Plant Use (gallons)	FY 2000 Month	Plant Use (gallons)	FY 2001 Month	Plant Use (gallons)	FY 2002 Month	Plant Use (gallons)	FY 2003 Month	Plant Use (gallons)
Jul-98	2,400,000	Jul-99	3,835,000	Jul-00	2,857,000	Jul-01	2,926,000	Jul-02	2,813,000
Aug-98	2,400,000	Aug-99	3,091,000	Aug-00	3,035,000	Aug-01	2,808,000	Aug-02	2,556,000
Sep-98	2,400,000	Sep-99	2,220,000	Sep-00	2,485,000	Sep-01	2,132,000	Sep-02	1,792,000
Oct-98	2,400,000	Oct-99	3,704,000	Oct-00	2,800,000	Oct-01	3,012,000	Oct-02	1,921,000
Nov-98	2,145,000	Nov-99	2,798,000	Nov-00	2,461,000	Nov-01	2,846,000	Nov-02	2,650,000
Dec-98	2,552,000	Dec-99	2,688,000	Dec-00	2,045,000	Dec-01	2,473,000	Dec-02	1,779,000
Jan-99	2,400,000	Jan-00	2,780,000	Jan-01	1,870,000	Jan-02	2,314,000	Jan-03	1,566,000
Feb-99	2,400,000	Feb-00	2,430,000	Feb-01	2,275,000	Feb-02	2,156,000	Feb-03	1,526,000
Mar-99	2,400,000	Mar-00	3,262,000	Mar-01	2,675,000	Mar-02	2,373,000	Mar-03	2,342,000
Apr-99	2,235,000	Apr-00	2,677,000	Apr-01	2,094,000	Apr-02	2,382,000	Apr-03	2,124,000
May-99	2,460,000	May-00	2,689,000	May-01	2,290,000	May-02	2,719,000	May-03	1,995,000
Jun-99	2,624,000	Jun-00	2,825,000	Jun-01	3,545,000	Jun-02	2,440,000	Jun-03	2,495,000
FY 1999 Annual Totals (gallons)	28,816,000	FY 2000 Annual Totals	34,999,000	FY 2001 Annual Totals	30,432,000	FY 2002 Annual Totals (gallons)	30,581,000	FY 2003 Annual Totals (gallons)	25,559,000

Lawton Valley									
	FY 1999 Plant Use (gallons)		FY 2000 Plant Use (gallons)		FY 2001 Plant Use (gallons)		FY 2002 Plant Use (gallons)		FY 2003 Plant Use (gallons)
	82,378,700		75,136,300		79,665,800		81,912,300		75,052,200

Total Plant Use									
	FY 1999 Plant Use (gallons)		FY 2000 Plant Use (gallons)		FY 2001 Plant Use (gallons)		FY 2002 Plant Use (gallons)		FY 2003 Plant Use (gallons)
	111,194,700		110,135,300		110,097,800		112,493,300		100,611,200

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 5-F

Plant Effluent

Metered Effluent from Plants

(thousand gallons)

	July	August	September	October	November	December	January	February	March	April	May	June	Average	Annual
FY 1999														
Station #1	155,444	143,933	93,382	81,450	74,320	66,273	80,599	69,569	76,605	80,119	85,882	125,167	94,395	1,132,743
Lawton Valley	86,908	106,791	118,328	128,712	111,459	117,840	99,201	88,096	100,328	111,498	150,493	168,941	115,716	1,388,595
Total	242,352	250,724	211,710	210,162	185,779	184,113	179,800	157,665	176,933	191,617	236,375	294,108	210,112	2,521,338
FY 2000														
Station #1	160,680	140,930	107,722	103,005	131,235	136,599	134,974	133,178	135,672	142,968	94,761	109,202	127,577	1,530,926
Lawton Valley	167,320	155,736	143,220	130,422	67,937	55,867	61,358	43,932	52,491	47,802	137,383	137,296	100,064	1,200,764
Total	328,000	296,666	250,942	233,427	199,172	192,466	196,332	177,110	188,163	190,770	232,144	246,498	227,641	2,731,690
FY 2001														
Station #1	126,633	113,547	99,550	97,908	94,397	109,059	113,179	116,166	129,601	116,179	101,683	103,362	110,105	1,321,264
Lawton Valley	160,265	147,603	134,851	136,213	104,542	78,833	70,733	51,897	50,896	71,404	142,777	150,618	108,386	1,300,632
Total	286,898	261,150	234,401	234,121	198,939	187,892	183,912	168,063	180,497	187,583	244,460	253,980	218,491	2,621,896
FY 2002														
Station #1	110,352	122,143	107,256	100,872	85,793	73,515	78,130	66,926	75,808	139,235	151,936	138,506	104,206	1,250,472
Lawton Valley	173,313	168,593	143,390	130,393	125,087	127,290	116,019	107,659	117,668	52,417	62,288	97,205	118,444	1,421,322
Total	283,665	290,736	250,646	231,265	210,880	200,805	194,149	174,585	193,476	191,652	214,224	235,711	222,650	2,671,794
FY 2003														
Station #1	137,201	129,716	85,279	94,260	82,039	146,759	152,557	137,885	142,108	95,595	98,467	95,836	116,475	1,397,702
Lawton Valley	186,458	189,166	157,154	132,951	120,470	47,697	41,801	39,675	50,702	104,111	126,976	138,169	111,278	1,335,330
Total	323,659	318,882	242,433	227,211	202,509	194,456	194,358	177,560	192,810	199,706	225,443	234,005	227,753	2,733,032

City of Newport, Rhode Island

Revised Schedule RFC 6

Summary of Commodity Rate Revenue

Revenues

<u>Customer Service Revenue</u>		
Billing Charge From All Accounts (1) & (2)	\$	764,504
Other Revenue Allocated to Customer Costs and Meters	\$	53,231
Subtotal Customer Service Revenue	\$	817,735

Revenue From Water Commodity Charge

<u>Retail</u>		
Residential	\$	2,457,695
Commercial		2,147,160
Governmental		64,187
Subtotal Retail Commodity Revenue	\$	4,669,041
<u>Other Customers</u>		
Navy	\$	872,487
Portsmouth		738,187
Subtotal Other Customer Commodity Charges	\$	1,610,673
Other Revenue Allocated to Functional Categories	\$	161,242
Total Revenues Related to Functional Categories	\$	6,440,956

Fire Protection

Public Fire Protection Revenue	\$	541,520
Private Fire Protection Revenue		224,090
Total Revenues From Fire Protection	\$	765,610
Other Revenue Allocated to Fire Protection	\$	31,627
	\$	797,237

Total Revenue \$ 8,055,928

Revenue Requirements

<u>Customer Services (1)</u>		
Meters and Services	\$	532,623
Customer Costs		284,788
Total Billing Revenue Requirements	\$	817,412
Billing Revenue Surplus/(Deficit)	\$	324

Functional Categories

Supply and Treatment	\$	3,097,397
Transmission		458,897
Distribution		596,071
Total Functional Revenue Requirements	\$	4,152,365
<u>Capital Revenue Requirements</u>		
Supply and Treatment	\$	1,552,825
Transmission		170,144
Distribution		463,002
Total Capital Revenue Requirements	\$	2,185,971
<u>Other Revenue Requirements</u>		
PUC Approved Additional Revenue Requirements		93,133
Total Other Revenue Requirements	\$	93,133
Total Functional Category Revenue Requirements	\$	6,431,469
Functional Category Revenue Surplus/(Deficit)	\$	9,487

Fire Protection

Operating	\$	372,153
Capital Expenses		193,137
PUC Approved Additional Revenue Requirements		8,449
Total Fire Protection Revenue Requirements	\$	573,740
Fire Protection Revenue Surplus/Deficit	\$	223,497
Total Revenue Requirements		7,822,620

Total Revenue Surplus/(Deficit) \$ 233,308

Capital Revenue Requirements Coverage Calculation

Revenues

User Revenue	\$	8,055,928
Less:		
O&M Expense - Water	\$	(4,152,365)
Income Available for Debt Service	\$	3,903,564

Capital Revenue Requirements

Water Capital Revenue Requirements	\$	2,185,971
Total Capital Revenue Requirements	\$	2,185,971

Debt Service coverage 1.79

Billing Charge Revenue at Existing Charge

<u>Accounts</u>		
Residential	(\$11.00 per bill)	\$ 452,094
Commercial	(\$11.00 per bill)	\$ 99,556
Governmental	(\$11.00 per bill)	\$ 3,322
<u>Navy</u>		
	(\$11.00 per bill)	\$ 1,448
<u>PW&FD</u>		
	(\$11.00 per bill)	\$ 135
Total Revenue at Existing Billing Charge		\$ 556,555
Customer Service Revenue Surplus/(Deficit)		\$ (260,856)

Commodity Charge Revenue at Existing Rates

<u>Monthly Customers</u>		
>14,000 gallons (1)	(\$3.73 per 1,000 gallons)	\$ 250,118
<14,000 gallons	(\$2.93 per 1,000 gallons)	\$ 1,299,156
<u>Tertiary Customers</u>		
>56,000 gallons	(\$3.73 per 1,000 gallons)	\$ 2,682,593
<56,000 gallons	(\$2.93 per 1,000 gallons)	\$ 461,561
Total Revenue From Existing Rates		\$ 4,693,428
<u>Navy</u>		
	(\$2.09 per 1,000 gallons)	\$ 858,381
<u>Portsmouth Water & Fire District</u>		
	(\$1.66 per 1,000 gallons)	\$ 695,494
Total Revenue at Existing Commodity Charges		\$ 6,247,303
Functional Category Revenue Surplus/(Deficit)		\$ (22,923)

Fire Protection Revenue at Existing Charges

Public Fire Protection	(\$560 per Hydrant)	\$ 541,520
Private Fire Protection		
	(4" @ \$285 per Annum)	\$ 12,255
	(6" @ \$570 per Annum)	130,530
	(8" @ \$1,305 per Annum)	75,690
	(10" @ \$2,155 per Annum)	2,155
	(12" @ \$3,460 per Annum)	3,460
Total Private Fire Protection		\$ 224,090
Total Revenue at Existing Fire Protection Charges		\$ 765,610
Fire Protection Revenue Surplus/(Deficit)		\$ 191,870

(1) Includes revenue from metered sundry billing.

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC 6-A

Summary of Revenues and Expenses

Initial Filing(1)

	Rate Year Amount at <u>Existing Rates</u>	Rate Year Amount at <u>Proposed Rates</u>	Rate Year Amount at <u>Existing Rates</u>	Rate Year Amount at <u>Proposed Rates</u>
Revenue				
Customer Charge	\$ 556,555	\$ 764,504	\$ 556,555	\$ 801,681
Retail Consumption	4,693,428	4,669,041	4,713,347	4,862,796
Wholesale Bulk Sales	1,553,875	1,610,673	1,553,072	1,810,689
Fire Protection	765,610	765,610	743,615	759,493
Miscellaneous	246,100	246,100	161,100	161,100
Contributions from Restricted Accounts	250,000	250,000	250,000	250,000
Total Revenues	<u>\$ 8,065,568</u>	<u>\$ 8,305,928</u>	<u>\$ 7,977,689</u>	<u>\$ 8,645,759</u>
 Expenses				
Administration	\$ 1,154,298	\$ 1,154,298	\$ 1,344,098	\$ 1,344,098
Customer Accounts	477,945	477,945	486,645	486,645
Source of Supply - Island	398,015	398,015	448,015	448,015
Source of Supply - Mainland	79,500	79,500	79,500	79,500
Treatment - Newport Plant	1,188,960	1,188,960	1,214,365	1,214,365
Treatment - Lawton Valley	959,855	959,855	1,097,580	1,097,580
Water Laboratory	199,347	199,347	199,347	199,347
Transmission & Distribution Maintenance	771,613	771,613	811,613	811,613
Fire Protection	14,000	14,000	14,000	14,000
Total Operating Expenses	<u>\$ 5,243,533</u>	<u>\$ 5,243,533</u>	<u>\$ 5,695,163</u>	<u>\$ 5,695,163</u>
Payment to General Fund	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Debt Service	1,271,815	1,271,815	1,361,853	1,361,853
Capital Outlay	\$ 941,667	\$ 941,667	\$ 904,167	\$ 904,167
Total Non-operating Expenses	<u>\$ 2,713,482</u>	<u>\$ 2,713,482</u>	<u>\$ 2,766,020</u>	<u>\$ 2,766,020</u>
Total Expenses	<u><u>\$ 7,957,015</u></u>	<u><u>\$ 7,957,015</u></u>	<u><u>\$ 8,461,183</u></u>	<u><u>\$ 8,461,183</u></u>
Operating Reserve	\$ 115,605	\$ 115,605	\$ 123,168	\$ 123,168
Total Cost of Service	\$ 8,072,620	\$ 8,072,620	\$ 8,584,351	\$ 8,584,351
Revenue Surplus/(Deficit)	\$ (7,052)	\$ 233,308	\$ (606,662)	\$ 61,408

(1) - From RFC Cost Allocation submitted with initial filing.

Existing and Proposed Water Rates

Proposed Rates		Existing Rates													
Monthly Billing Charge	\$ 15.11 per bill														
Tertiary Billing Charge	\$ 15.11 per bill														
<u>Flat Retail Commodity Rates (Monthly)</u>															
Residential	\$ 3.42 per 1,000 gal	Charge per Bill	\$ 11.00 per bill												
Commercial	\$ 3.42 per 1,000 gal	Consumption (1,000 gal.)	<table border="1"> <thead> <tr> <th colspan="2">Monthly</th> <th colspan="2">Tertiary</th> </tr> <tr> <th>0-14</th> <th>over 14</th> <th>0-56</th> <th>over 56</th> </tr> </thead> <tbody> <tr> <td>\$ 3.73</td> <td>\$ 2.93</td> <td>\$ 3.73</td> <td>\$ 2.93</td> </tr> </tbody> </table>	Monthly		Tertiary		0-14	over 14	0-56	over 56	\$ 3.73	\$ 2.93	\$ 3.73	\$ 2.93
Monthly		Tertiary													
0-14	over 14	0-56	over 56												
\$ 3.73	\$ 2.93	\$ 3.73	\$ 2.93												
Governmental	\$ 3.42 per 1,000 gal	Commodity Rate													
<u>Other Customers (Monthly)</u>															
Navy	\$ 2.11 per 1,000 gal	Commodity Rate	\$2.09 per 1,000 gal												
Portsmouth Water and Fire District	\$ 1.75 per 1,000 gal	Commodity Rate	\$1.66 per 1,000 gal												

Water Rate Impacts

Retail Customers

Volume (gallons/month)

	1,000	4,000	5,500	6,000	7,000	10,000	14,000	Average 18,030	20,000	50,000
Residential (Tertiary)										
<u>Proposed Rate</u>										
Billing Charge	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11
Commodity Charge	3.42	13.68	18.81	20.52	23.94	34.20	47.88	61.66	68.40	171.00
Total Charge	\$ 18.53	\$ 28.79	\$ 33.92	\$ 35.63	\$ 39.05	\$ 49.31	\$ 62.99	\$ 76.77	\$ 83.51	\$ 186.11
<u>Existing</u>										
Newport, Middletown and Portsmouth										
Billing Charge	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Commodity Charge	3.73	14.92	20.52	22.38	26.11	37.30	52.22	67.25	74.60	186.50
Total Charge	\$ 14.73	\$ 25.92	\$ 31.52	\$ 33.38	\$ 37.11	\$ 48.30	\$ 63.22	\$ 78.25	\$ 85.60	\$ 197.50
% Change	25.80%	11.07%	7.63%	6.74%	5.23%	2.09%	-0.36%	-1.89%	-2.44%	-5.77%
Residential (Monthly)			Average (1)							
<u>Proposed Rate</u>										
Billing Charge	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11
Commodity Charge	3.42	13.68	15.42	18.81	20.52	23.94	34.20	47.88	68.40	171.00
Total Charge	\$ 18.53	\$ 28.79	\$ 30.53	\$ 33.92	\$ 35.63	\$ 39.05	\$ 49.31	\$ 62.99	\$ 83.51	\$ 186.11
<u>Existing</u>										
Newport, Middletown and Portsmouth										
Billing Charge	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Commodity Charge	3.73	14.92	16.81	20.52	22.38	26.11	37.30	52.22	69.80	157.70
Total Charge	\$ 14.73	\$ 25.92	\$ 27.81	\$ 31.52	\$ 33.38	\$ 37.11	\$ 48.30	\$ 63.22	\$ 80.80	\$ 168.70
% Change	25.80%	11.07%	9.75%	7.63%	6.74%	5.23%	2.09%	-0.36%	3.35%	10.32%

(1) Monthly average consumption is based on average overall consumption per class for FY 1999 through FY 2003 divided by total number of bills per year for the same time period. Tertiary average consumption is calculated by multiplying the monthly consumption by four.

Existing and Proposed Water Rates

Proposed Rates		Existing Rates													
Monthly Billing Charge	\$ 15.11 per bill														
Tertiary Billing Charge	\$ 15.11 per bill														
<u>Flat Retail Commodity Rates (Monthly)</u>															
Residential	\$ 3.42 per 1,000 gal	Charge per Bill	\$ 11.00 per bill												
Commercial	\$ 3.42 per 1,000 gal	Consumption (1,000 gal.)	<table border="1"> <thead> <tr> <th colspan="2">Monthly</th> <th colspan="2">Tertiary</th> </tr> <tr> <th>0-14</th> <th>over 14</th> <th>0-56</th> <th>over 56</th> </tr> </thead> <tbody> <tr> <td>\$ 3.73</td> <td>\$ 2.93</td> <td>\$ 3.73</td> <td>\$ 2.93</td> </tr> </tbody> </table>	Monthly		Tertiary		0-14	over 14	0-56	over 56	\$ 3.73	\$ 2.93	\$ 3.73	\$ 2.93
Monthly		Tertiary													
0-14	over 14	0-56	over 56												
\$ 3.73	\$ 2.93	\$ 3.73	\$ 2.93												
Governmental	\$ 3.42 per 1,000 gal	Commodity Rate													
<u>Other Customers (Monthly)</u>															
Navy	\$ 2.11 per 1,000 gal	Commodity Rate	\$2.09 per 1,000 gal												
Portsmouth Water and Fire District	\$ 1.75 per 1,000 gal	Commodity Rate	\$1.66 per 1,000 gal												

Water Rate Impacts

Retail Customers

	1,000	14,000	25,000	50,000	75,000	100,000	125,000	Average (1) 138,173	150,000	175,000
Commercial (Tertiary)										
<u>Proposed Rate</u>										
Billing Charge	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11
Commodity Charge	3.42	47.88	85.50	171.00	256.50	342.00	427.50	472.55	513.00	598.50
Total Charge	\$ 18.53	\$ 62.99	\$ 100.61	\$ 186.11	\$ 271.61	\$ 357.11	\$ 442.61	\$ 487.66	\$ 528.11	\$ 613.61
<u>Existing</u>										
Newport, Middletown, and Portsmouth										
Billing Charge	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Commodity Charge	3.73	52.22	93.25	186.50	264.55	337.80	411.05	449.65	484.30	557.55
Total Charge	\$ 14.73	\$ 63.22	\$ 104.25	\$ 197.50	\$ 275.55	\$ 348.80	\$ 422.05	\$ 460.65	\$ 495.30	\$ 568.55
% Change	25.80%	-0.36%	-3.49%	-5.77%	-1.43%	2.38%	4.87%	5.86%	6.62%	7.93%

	1,000	14,000	25,000	Average (1) 34,543	50,000	75,000	100,000	125,000	150,000	175,000
Commercial (Monthly)										
<u>Proposed Rate</u>										
Billing Charge	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11
Commodity Charge	3.42	47.88	85.50	118.14	171.00	256.50	342.00	427.50	513.00	598.50
Total Charge	\$ 18.53	\$ 62.99	\$ 100.61	\$ 133.25	\$ 186.11	\$ 271.61	\$ 357.11	\$ 442.61	\$ 528.11	\$ 613.61
<u>Existing</u>										
Newport, Middletown, and Portsmouth										
Billing Charge	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Commodity Charge	3.73	52.22	84.45	112.41	157.70	230.95	304.20	377.45	450.70	523.95
Total Charge	\$ 14.73	\$ 63.22	\$ 95.45	\$ 123.41	\$ 168.70	\$ 241.95	\$ 315.20	\$ 388.45	\$ 461.70	\$ 534.95
% Change	25.80%	-0.36%	5.41%	7.97%	10.32%	12.26%	13.30%	13.94%	14.38%	14.70%

(1) Monthly average consumption is based on average overall consumption per class for FY 1999 through FY 2003 divided by total number of bills per year for the same time period. Tertiary average consumption is calculated by multiplying the monthly consumption by four.

Existing and Proposed Water Rates

Proposed Rates			Existing Rates				
Monthly Billing Charge	\$ 15.11	per bill					
Tertiary Billing Charge	\$ 15.11	per bill					
<u>Flat Retail Commodity Rates (Monthly)</u>							
Residential	\$ 3.42	per 1,000 gal	Charge per Bill	\$ 11.00	per bill		
Commercial	\$ 3.42	per 1,000 gal	Consumption (1,000 gal.)	Monthly		Tertiary	
Governmental	\$ 3.42	per 1,000 gal		0-14	over 14	0-56	over 56
			Commodity Rate	\$ 3.73	\$ 2.93	\$ 3.73	\$ 2.93
<u>Other Customers (Monthly)</u>							
Navy	\$ 2.11	per 1,000 gal	Commodity Rate	\$2.09 per 1,000 gal			
Portsmouth Water and Fire District	\$ 1.75	per 1,000 gal	Commodity Rate	\$1.66 per 1,000 gal			

Water Rate Impacts

Retail Customers

	Average (1)									
	1,000	14,000	25,000	32,642	50,000	75,000	100,000	125,000	150,000	175,000
Governmental (Tertiary)										
<u>Proposed Rate</u>										
Billing Charge	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11
Commodity Charge	3.42	47.88	85.50	111.64	171.00	256.50	342.00	427.50	513.00	598.50
Total Charge	\$ 18.53	\$ 62.99	\$ 100.61	\$ 126.75	\$ 186.11	\$ 271.61	\$ 357.11	\$ 442.61	\$ 528.11	\$ 613.61
<u>Existing</u>										
Newport, Middletown, and Portsmouth										
Billing Charge	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Commodity Charge	3.73	52.22	93.25	140.44	186.50	264.55	337.80	411.05	484.30	557.55
Total Charge	\$ 14.73	\$ 63.22	\$ 104.25	\$ 151.44	\$ 197.50	\$ 275.55	\$ 348.80	\$ 422.05	\$ 495.30	\$ 568.55
% Change	25.80%	-0.36%	-3.49%	-16.31%	-5.77%	-1.43%	2.38%	4.87%	6.62%	7.93%
Governmental (Monthly)										
<u>Proposed Rate</u>										
Billing Charge	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11
Commodity Charge	3.42	27.91	47.88	85.50	171.00	256.50	342.00	427.50	513.00	598.50
Total Charge	\$ 18.53	\$ 43.02	\$ 62.99	\$ 100.61	\$ 186.11	\$ 271.61	\$ 357.11	\$ 442.61	\$ 528.11	\$ 613.61
<u>Existing</u>										
Newport, Middletown, and Portsmouth										
Billing Charge	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Commodity Charge	3.73	35.11	52.22	84.45	157.70	230.95	304.20	377.45	450.70	523.95
Total Charge	\$ 14.73	\$ 46.11	\$ 63.22	\$ 95.45	\$ 168.70	\$ 241.95	\$ 315.20	\$ 388.45	\$ 461.70	\$ 534.95
% Change	25.80%	-6.70%	-0.36%	5.41%	10.32%	12.26%	13.30%	13.94%	14.38%	14.70%

(1) Monthly average consumption is based on average overall consumption per class for FY 1999 through FY 2003 divided by total number of bills per year for the same time period. Tertiary average consumption is calculated by multiplying the monthly consumption by four.

Existing and Proposed Water Rates

Proposed Rates			Existing Rates				
Monthly Billing Charge	\$ 15.11	per bill					
Tertiary Billing Charge	\$ 15.11	per bill					
<u>Flat Retail Commodity Rates (Monthly)</u>							
Residential	\$ 3.42	per 1,000 gal	Charge per Bill	\$ 11.00	per bill		
Commercial	\$ 3.42	per 1,000 gal	Consumption (1,000 gal.)	Monthly		Tertiary	
Governmental	\$ 3.42	per 1,000 gal		0-14	over 14	0-56	over 56
			Commodity Rate	\$ 3.73	\$ 2.93	\$ 3.73	\$ 2.93
<u>Other Customers (Monthly)</u>							
Navy	\$ 2.11	per 1,000 gal	Commodity Rate	\$2.09 per 1,000 gal			
Portsmouth Water and Fire District	\$ 1.75	per 1,000 gal	Commodity Rate	\$1.66 per 1,000 gal			

Water Rate Impacts

Retail Customers

Other Customers

Volume (gallons/month)

	1,000	750,000	1,500,000	2,225,000	3,000,000	Average (1)	3,750,000	4,500,000	5,250,000	6,000,000
						3,175,582				

Navy

Proposed Rate

Billing Charge	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11
Commodity Charge	2.11	1,582.50	3,165.00	4,694.75	6,330.00	6,700.48	7,912.50	9,495.00	11,077.50	12,660.00	
Total Charge	\$ 17.22	\$ 1,597.61	\$ 3,180.11	\$ 4,709.86	\$ 6,345.11	\$ 6,715.59	\$ 7,927.61	\$ 9,510.11	\$ 11,092.61	\$ 12,675.11	

Existing

Billing Charge	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Commodity Charge	2.09	1,567.50	3,135.00	4,650.25	6,270.00	6,636.97	7,837.50	9,405.00	10,972.50	12,540.00	
Total Charge	\$ 13.09	\$ 1,578.50	\$ 3,146.00	\$ 4,661.25	\$ 6,281.00	\$ 6,647.97	\$ 7,848.50	\$ 9,416.00	\$ 10,983.50	\$ 12,551.00	
% Change	31.55%	1.21%	1.08%	1.04%	1.02%	1.02%	1.01%	1.00%	0.99%	0.99%	

Wholesale Customers

Volume (1,000 gallons/month)

	5,000	10,000	20,000	30,000	Average (1)	40,000	50,000	60,000	70,000	80,000
					34,914					

Portsmouth Water and Fire District

Proposed Rate

Billing Charge	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11	\$ 15.11
Commodity Charge	8,750	17,500	35,000	52,500	61,100	70,000	87,500	105,000	122,500	140,000	
Total Charge	\$ 8,765	\$ 17,515	\$ 35,015	\$ 52,515	\$ 61,115	\$ 70,015	\$ 87,515	\$ 105,015	\$ 122,515	\$ 140,015	

Existing

Billing Charge	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00	\$ 11.00
Commodity Charge	8,300	16,600	33,200	49,800	57,958	66,400	83,000	99,600	116,200	132,800	
Total Charge	\$ 8,311	\$ 16,611	\$ 33,211	\$ 49,811	\$ 57,969	\$ 66,411	\$ 83,011	\$ 99,611	\$ 116,211	\$ 132,811	
% Change	5.46%	5.44%	5.43%	5.43%	5.43%	5.43%	5.43%	5.43%	5.42%	5.42%	

(1) Monthly average consumption is based on average overall consumption per class for FY 1999 through FY 2003 divided by total number of bills per year for the same time period. Tertiary average consumption is calculated by multiplying the monthly consumption by four.

City of Newport, Rhode Island

Fire Protection Charges
Private and Public Fire Services

Revised Schedule RFC 8

	NWD FY 2004 (1)	
	Total	Other Categories
Fire Protection Charge		Fire Protection
Total Cost of Service	573,740	573,740
Less Offsets from Revised Schedule RFC 2:	(31,627)	(31,627)
Subtotal:	(31,627)	(31,627)
To Be Recovered From Fire Protection Charge:	542,113	542,113

	Total	Public	Private
Allocation Public/Private	100%	72%	28%
Total Revenue Requirements	565,290	406,593	158,697
Additional Rev. Reqs. (3)	8,449	6,077	2,372
Total Cost of Service	573,740	412,671	161,069
Offsets To Revenue Requirements	(31,627)	(22,748)	(8,879)
Net Cost of Service	542,113	389,923	152,190

Allocation of Fire Service Costs to Public and Private Fire Service

Service Size	No. of Accounts	Demand Ratios (1)	Equivalent Accounts	Percent Allocation of Total Fire Protection Costs	Allocation \$
Public Fire Service (2)					
Newport	578				
Middletown	381				
Portsmouth	8				
Total Public Hydrants	967	111	107,637	71.93%	\$ 389,923
Private Fire Service					
5/8"	0	1.00	0		
3/4"	0	1.00	0		
1"	0	1.00	0		
2"	0	6.19	0		
4"	43	38.32	1,648		
6"	229	111.31	25,490		
8"	58	237.21	13,758		
10"	1	426.58	427		
12"	1	689.04	689		
Total Private Connections	332	1,512	42,012	28.07%	\$ 152,190
Total	1,299		149,648	100.00%	\$ 542,113

(1) From AWWA M-1 Manual Chapter 30, "Rates for Fire Protection Service", Page 224.

(2) All public service connections are 6".

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City of Newport, Rhode Island

Fire Protection Charges
Private and Public Fire Services

Revised Schedule RFC 8

Calculation of Private Fire Protection Charge

Service Size	No. of Accounts	Demand Ratios (1)	Equivalent Accounts	Calculated Monthly Unit Cost
Private Fire Service				
5/8"	0	1	0	\$ 0.30
3/4"	0	1	0	0.30
1"	0	1	0	0.30
2"	0	6.19	0	1.87
4"	43	38.32	1,648	11.57
6"	229	111.31	25,490	33.60
8"	58	237.21	13,758	71.61
10"	1	426.58	427	128.78
12"	1	689.04	689	208.01
Total No. of Fire Services	332		42,012	
Private Fire Protection Revenue Requirements			\$	152,190
Rate per equivalent account				3.62

Calculation of Public Fire Protection Charge

Service Size	No. of Accounts	Public Fire Protection Revenue Requirements	Calculated Public Fire Protection Charge	Billing Component-Fire Protection	Existing Public Fire Protection Charge	Recommended Public Fire Protection Charge	Annual Revenue
Public Fire Hydrant	967	\$ 389,923	\$ 403,2300	\$ 1.48	\$ 560.00	\$ 560.00	\$ 541,520
Public Fire Protection Charge per Annum		\$ 560.00					

Private Fire Protection Charge

Meter Size	Calculated Charge per Annum	Billing Component-Fire Protection	Calculated Annual Revenue	Total Calculated Private Fire Protection Charge per Annum	Existing/Proposed Private Fire Protection Charge per Annum	Recommended Private Fire Protection Charges per Annum	Annual Revenue from Recommended Private Fire Protection Charges
5/8"	\$ 3.72	\$ 1.48	\$ -	\$ 5.20	\$ 5.20	\$ 5.20	\$ -
3/4"	3.72	1.48	-	5.20	5.20	5.20	-
1"	3.72	1.48	-	5.20	5.20	5.20	-
2"	22.44	1.48	-	23.92	46.04	46.04	-
4"	138.84	1.48	6,033.86	140.32	285.00	285.00	12,255.00
6"	403.32	1.48	92,699.74	404.80	570.00	570.00	130,530.00
8"	859.32	1.48	49,926.54	860.80	1,305.00	1,305.00	75,690.00
10"	1,545.36	1.48	1,546.84	1,546.84	2,155.00	2,155.00	2,155.00
12"	2,496.12	1.48	2,497.60	2,497.60	3,460.00	3,460.00	3,460.00
			\$ 152,704.58				\$ 224,090.00

(1) From AWWA M-1 Manual Chapter 30, "Rates for Fire Protection Service", Page 224.

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City of Newport, Rhode Island

**Fire Protection Charge Impacts
Private and Public Fire Services**

Revised Schedule RFC 9

Private Accounts

Service Size	Existing Charge per Annum	Calculated Charge per Annum	% Change	Recommended Charge per Annum
5/8"	\$ -	\$ 5.20	0.00%	\$ 5.20
3/4"	-	5.20	0.00%	5.20
1"	-	5.20	0.00%	5.20
2"	-	46.04	0.00%	46.04
4"	285	138.84	-51.28%	285.00
6"	570	403.32	-29.24%	570.00
8"	1,305	859.32	-34.15%	1,305.00
10"	2,155	1,545.36	-28.29%	2,155.00
12"	3,460	2,496.12	-27.86%	3,460.00

Public Accounts

Service Size	Existing Charge per Annum	Calculated Charge per Annum	% Change	Recommended Charge per Annum
Public Fire Hydrant	\$ 560	\$ 405	-27.73%	\$ 560

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City of Newport, Rhode Island

Calculation of Billing Charge

Revised Schedule RFC 10

Charge per Bill	NWD Rate Year			
	Total	Meters & Services	Customer Costs	Fire Protection (1)
Total Cost of Service	\$ 817,412	\$ 532,623	\$ 284,788	\$ 1,926
Less Offsets from Revised Schedule RFC	\$ (53,231)	\$ (3,774)	\$ (49,457)	
Subtotal:	\$ (53,231)	\$ (3,774)	\$ (49,457)	\$ -
To Be Recovered From Billing Charge	\$ 764,181	\$ 528,849	\$ 235,331	\$ 1,926

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	Overall FY 2000 to FY 2002 Growth Rate
Water Consumption Bills						
Total Number of Bills						
Retail						
Residential	39,655	39,938	40,284	40,690	41,099	
Commercial	8,557	8,673	8,871	8,960	9,051	
Governmental	256	272	296	299	302	
Navy	128	131	129	130	132	
Portsmouth Fire & Water	12	12	12	12	12	
Total	48,608	49,026	49,592	50,091	50,596	1.01%

Calculated Billing Charge	\$ 15.1036
Recommended Monthly Billing Charge	\$ 15.11
Recommended Tertiary Billing Charge	\$ 15.11

Fire Protection Bills

Total Number of Bills	
Public Fire Connections	967
Private Fire Connections	332
	<u>1,299</u>
Calculated Fire Protection Billing Component	\$ 1.482
Recommended Fire Protection Billing Component	\$ 1.48

(1) Portion of Customer Accounts and Customer Services accounts allocated to Fire Protection cost category. Assumes no offsets to revenue requirements.

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City of Newport, Rhode Island

Water Service Bills Summary

Revised Schedule RFC 10-A

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Both Tertiary and Monthly Accounts					
Residential (T&M)	39,655	39,938	40,284	40,690	41,099
Commercial (T&M)	8,557	8,673	8,871	8,960	9,051
Governmental (T&M)	256	272	296	299	302
Navy (M)	128	131	129	130	132
PWFD (M)	12	12	12	12	12
	48,608	49,026	49,592	50,091	50,596

% Growth Rate (1) 1.01%

(1) Growth rate based on compound annual growth rate from FY 2000 through FY 2002.

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City of Newport, Rhode Island

Water Service Bills by Customer Class

Revised Schedule RFC 10-B

Customer Class	FY2000 (Number of Bills)												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Residential														
T Newport	1,411	2,094	2,640	2,709	1,407	2,096	2,639	2,714	1,418	2,111	2,659	2,723	2,218	26,621
M Newport	40	40	40	40	39	39	39	39	39	39	39	39	39	472
T Middletown	990	1,051	887	1,030	994	1,078	887	1,034	1,002	1,091	899	1,046	999	11,989
M Middletown	2	2	2	2	2	2	2	2	2	2	2	2	2	24
T Portsmouth	0	182	0	1	0	182	0	1	0	182	0	1	46	549
M Portsmouth														
Residential Total	2,443	3,369	3,569	3,782	2,442	3,397	3,567	3,790	2,461	3,425	3,599	3,811	3,305	39,655
Commercial														
T Newport	258	120	161	118	261	117	161	119	257	122	168	126	166	1,988
M Newport	223	223	221	222	223	225	224	224	224	223	223	223	223	2,678
T Middletown	123	62	105	62	122	62	108	64	122	62	110	64	89	1,066
M Middletown	205	205	206	206	207	206	206	207	207	207	206	206	206	2,474
T Portsmouth		1				1				1			1	3
M Portsmouth	29	29	29	29	29	29	29	29	29	29	29	29	29	348
Commercial Total	838	640	722	637	842	640	728	643	839	644	736	648	713	8,557
Governmental-Gen														
T Newport	2				2				2	2	2	2	2	12
M Newport	4	3	4	4	4	4	4	4	4	4	3	4	4	46
T Middletown	1	1			1	1			1	2	1	1	1	9
M? Middletown														
Governmental-City														
T Combined	0	0	0	1	0	0	0	1	0	0	0	1	0	3
T Newport	50	2	2	2	50	2	2	2	50	8	8	8	16	186
Governmental Total	57	6	6	7	57	7	6	7	57	16	14	16	21	256
Newport Water Total	14,569	14,568	14,568	14,569	14,612	14,613	14,612	14,613	14,757	14,756	14,754	14,755	14,646	48,468
Navy														
Newport	6	6	6	7	7	7	7	7	7	6	7	7	7	80
Middletown	3	3	3	3	3	3	3	3	3	3	3	3	3	36
Portsmouth	1	1	1	1	1	1	1	1	1	1	1	1	1	12
Navy Total	10	10	10	11	11	11	11	11	11	10	11	11	11	128
Portsmouth Fire and Water														
Portsmouth	1	1	1	1	1	1	1	1	1	1	1	1	1	12
Portsmouth Total	1	1	1	1	1	1	1	1	1	1	1	1	1	12
Total	11	11	11	12	12	12	12	12	12	11	12	12	12	140
FY 2000 Total	14,580	14,579	14,579	14,581	14,624	14,625	14,624	14,625	14,769	14,767	14,766	14,767	14,657	48,608

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City of Newport, Rhode Island

Water Service Bills by Customer Class

Revised Schedule RFC 10-B

Customer Class	FY2001 (Number of Bills)												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Residential														
T Newport	1,421	2,103	2,646	2,708	1,413	2,109	2,662	2,729	1,429	2,126	2,681	2,740	2,231	26,767
M Newport	39	39	39	39	39	39	38	38	38	38	38	38	39	462
T Middletown	1,012	1,091	890	1,037	1,010	1,098	893	1,041	1,020	1,110	892	1,041	1,011	12,135
M Middletown	2	2	2	2	2	2	2	2	2	2	2	3	2	25
T Portsmouth	0	182	0	1	0	182	0	1	0	182	0	1	46	549
M Portsmouth														
Residential Total	2,474	3,417	3,577	3,787	2,464	3,430	3,595	3,811	2,489	3,458	3,613	3,823	3,328	39,938
Commercial														
T Newport	262	119	164	123	263	120	165	121	262	119	168	124	168	2,010
M Newport	223	223	223	223	223	223	225	226	226	225	225	226	224	2,691
T Middletown	122	61	112	65	122	63	116	66	123	65	121	67	92	1,103
M Middletown	206	206	208	208	209	211	211	211	212	212	212	212	210	2,518
T Portsmouth		1				1				1			1	3
M Portsmouth	29	29	29	29	29	29	29	29	29	29	29	29	29	348
Commercial Total	842	639	736	648	846	647	746	653	852	651	755	658	723	8,673
Governmental-Gen														
T Newport	2	2	1	1	1	2	2	2	2	2	2	2	2	21
M Newport	4	4	3	4	4	4	4	4	4	4	4	4	4	47
T Middletown	1	1			1	2	1	1	1	2	1	1	1	12
M? Middletown														
Governmental-City														
T Combined	0	0	0	1	0	0	0	1	0	0	0	1	0	3
T Newport	50	4	4	4	50	4	4	4	50	5	5	5	16	189
Governmental Total	57	11	8	10	56	12	11	12	57	13	12	13	23	272
Newport Water Total	14,694	14,694	14,695	14,696	14,756	14,758	14,759	14,760	14,862	14,861	14,861	14,863	14,772	48,883
Navy														
Newport	7	7	7	7	7	7	7	7	7	7	7	6	7	83
Middletown	3	3	3	3	3	3	3	3	3	3	3	3	3	36
Portsmouth	1	1	1	1	1	1	1	1	1	1	1	1	1	12
Navy Total	11	11	11	11	11	11	11	11	11	11	11	10	11	131
Portsmouth Fire and Water														
Portsmouth	1	1	1	1	1	1	1	1	1	1	1	1	1	12
Portsmouth Total	1	1	1	1	1	1	1	1	1	1	1	1	1	12
FY 2001 Total	14,706	14,706	14,707	14,708	14,768	14,770	14,771	14,772	14,874	14,873	14,873	14,874	14,784	49,026

Docket No. 3578

City of Newport, Rhode Island

Water Service Bills by Customer Class

Revised Schedule RFC 10-B

Customer Class	FY2002 (Number of Bills)												Average	Annual
	July	August	September	October	November	December	January	February	March	April	May	June		
Residential														
T Newport	1,433	2,120	2,680	2,746	1,431	2,122	2,682	2,740	1,432	2,137	2,709	2,767	2,250	26,999
M Newport	38	38	38	39	39	39	39	39	39	39	39	40	39	466
T Middletown	1,020	1,109	889	1,040	1,026	1,123	889	1,033	1,023	1,127	897	1,047	1,019	12,223
M Middletown	3	3	3	3	3	3	3	3	3	3	3	3	3	36
T Portsmouth	0	182	0	1	0	186	0	0	0	191	0	0	47	560
M Portsmouth														
Residential Total	2,494	3,452	3,610	3,829	2,499	3,473	3,613	3,815	2,497	3,497	3,648	3,857	3,357	40,284
Commercial														
T Newport	263	121	174	126	262	122	172	124	259	120	174	127	170	2,044
M Newport	226	227	227	229	229	229	229	230	230	230	230	230	229	2,746
T Middletown	116	61	121	70	120	65	127	69	121	64	130	68	94	1,132
M Middletown	212	212	213	215	215	217	217	217	219	218	219	219	216	2,593
T Portsmouth		1				1				1			1	3
M Portsmouth	29	29	29	29	29	29	29	29	29	30	31	31	29	353
Commercial Total	846	651	764	669	855	663	774	669	858	663	784	675	739	8,871
Governmental-Gen														
T Newport	2	2	2	2	3				3	2	2	2		20
M Newport	4	4	4	4	4	4	4	4	4	4	4	4	4	48
T Middletown	1	1			1	1			1	1	0	0		6
M? Middletown														
Governmental-City														
T Combined	0	0	0	1	0	0	0	0	0	0	0	0	0	1
T Newport	51	6	6	6	51	4	4	4	53	12	12	12	18	221
Governmental Total	58	13	12	13	59	9	8	8	61	19	18	18	25	296
Newport Water Total	14,865	14,866	14,867	14,872	14,881	14,883	14,883	14,884	15,018	15,018	15,020	15,021	14,923	49,451
Navy														
Newport	7	7	7	7	7	6	7	7	7	6	7	6	7	81
Middletown	3	3	3	3	3	3	3	3	3	3	3	3	3	36
Portsmouth	1	1	1	1	1	1	1	1	1	1	1	1	1	12
Navy Total	11	11	11	11	11	10	11	11	11	10	11	10	11	129
Portsmouth Fire and Water														
Portsmouth	1	1	1	1	1	1	1	1	1	1	1	1	1	12
Portsmouth Total	1	1	1	1	1	1	1	1	1	1	1	1	1	12
FY 2002 Total	14,877	14,878	14,879	14,884	14,893	14,894	14,895	14,896	15,030	15,029	15,032	15,032	14,935	49,592

Docket No. 3578

City of Newport, Rhode Island

Capital Improvement Program

Revised Schedule RFC 11

Projects	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Total	Average	Funding
Meter Replacement Program	\$ 40,000	\$ 45,000	\$ 45,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 280,000	\$ 46,667	Water Fund
SCADA System -Lawton Valley WTP	900,000	-	-	-	-	-	900,000	150,000	SRF Loan
SCADA System Upgrade - Newport WTP	-	700,000	-	-	-	-	700,000	116,667	SRF Loan
Residuals Handling - Lawton Valley	500,000	550,000	-	-	-	-	1,050,000	175,000	SRF Loan
Lawton Valley Filter Upgrade - Filter to Waste	-	50,000	67,000	-	-	-	117,000	19,500	SRF Loan
Lawton Valley HP Water Service	20,000	84,000	-	-	-	-	104,000	17,333	Water Fund
Lawton Valley Sedimentation Rehab	-	250,000	-	-	-	-	250,000	41,667	Water Fund
Lawton Valley Chemical Feed Improvements	-	695,000	-	-	-	-	695,000	115,833	SRF Loan
Infrastructure Replacement Plan (IRP) Update	-	-	100,000	-	-	-	100,000	16,667	Water Fund
GIS and Hydraulic Modeling	-	-	200,000	100,000	-	-	300,000	50,000	Water Fund
Water Infrastructure Improvements	700,000	1,000,000	1,000,000	1,150,000	750,000	750,000	5,350,000	891,667	Water Fund
Water Trench Restoration	50,000	50,000	50,000	50,000	55,000	55,000	310,000	51,667	Water Fund
Water Main Utility Bridge	130,000	-	-	-	-	-	130,000	21,667	Water Fund
Leak Detection Program	30,000	30,000	30,000	30,000	-	-	120,000	20,000	Water Fund
Paradise Pump Station - Newport WTP Raw Water	400,000	-	-	-	-	-	400,000	66,667	SRF Loan
Lawton Valley Freight Elevator Replacement	130,000	-	-	-	-	-	130,000	21,667	Water Fund
Lawton Valley Raw Water Main	-	300,000	310,000	-	-	-	610,000	101,667	Water Fund
Fire Hydrant Replacement	43,000	41,000	41,000	41,000	41,000	41,000	248,000	41,333	Water Fund
Vehicle Replacement	-	254,000	-	29,000	-	-	283,000	47,167	Water Fund
Reservoir Road Tank	-	40,000	-	-	-	-	40,000	6,667	Water Fund
Pond Depth Survey	-	50,000	50,000	-	-	-	100,000	16,667	Water Fund
Vulnerability Assessment	-	85,000	-	-	-	-	85,000	14,167	Water Fund
Balance with FY 2004 Budget (1)	-	(89,414)	89,414	-	-	-	-	-	-
Subtotal	\$ 2,943,000	\$ 4,134,586	\$ 1,982,414	\$ 1,450,000	\$ 896,000	\$ 896,000	\$ 12,077,000	\$ 2,012,833	
Water Fund Total	\$ 1,143,000	\$ 2,139,586	\$ 1,915,414	\$ 1,450,000	\$ 896,000	\$ 896,000	\$ 8,440,000	\$ 1,406,667	
SRF Total	\$ 1,800,000	\$ 1,995,000	\$ 67,000	\$ -	\$ -	\$ -	\$ 3,862,000	\$ 643,667	
Total	\$ 2,943,000	\$ 4,134,586	\$ 1,982,414	\$ 1,450,000	\$ 896,000	\$ 896,000	\$ 12,302,000	\$ 2,050,333	
Funding Sources (2)									
<u>Rate Funded</u>									
Water Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<u>Loan</u>									
SRF Loan (3)	1,800,000	1,995,000	67,000	-	-	-	3,862,000		
<u>Restricted Account</u>									
Debt Service									
Capital Spending	1,143,000	2,139,586	1,915,414	1,450,000	896,000	896,000	8,440,000		
	\$ 2,943,000	\$ 4,134,586	\$ 1,982,414	\$ 1,450,000	\$ 896,000	\$ 896,000	\$ 12,302,000		
Total Projects (Average FY 2003-FY 2008)									
Water Fund (4)	\$ 1,406,667	\$ 1,406,667	\$ 1,406,667	\$ 1,406,667	\$ 1,406,667	\$ 1,406,667	\$ 8,440,000		
SRF Loan	643,667	643,667	643,667	643,667	643,667	643,667	3,862,000		
	\$ 2,050,333	\$ 2,050,333	\$ 2,050,333	\$ 2,050,333	\$ 2,050,333	\$ 2,050,333	\$ 12,302,000		

(1) Capital Outlay in Rate Year greater than what is projected for FY 2004 in the CIP. Balancing number used to reconcile FY 2004 in CIP with Rate Year. Equal amount subtracted from FY 2005.

(2) The purpose of Funding Sources is to identify the source of funds for each project given its respective year. It does not represent the timing of the funding. An average annual cost for projects for the CIP planning horizon will be used.

(3) Totals for the SRF Loan reflect the amount approved by the PUC to be financed. Funding for projects identified for SRF Loan: full funding by SRF Loan for FY 2003 projects, partial funding for FY 2004 projects and no SRF funding for FY 2005 - FY 2008 projects. Remaining balance to be funded through rates/restricted capital account.

(4) Total amount is average of all project costs to be funded through Water Fund.

Docket No. 3578

City of Newport, Rhode Island

Capital Improvement Program

Revised Schedule RFC 11

Bond Repayment Schedule

Existing Debt Service

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	Total
1992 Sakonnet Pipeline		\$ 349,650	\$ 335,588	\$ 321,300	\$ 306,788	\$ 292,051	\$ 1,605,377
1992 Distribution System (1984 Issue Refunded)		67,159				-	67,159
1994 Sakonnet Pipeline		530,190	513,450	496,350	478,890	461,070	2,479,950
1994 Treatment Plant (1989 & 1990 Refunded)		742,833	408,458	383,098	357,908	332,888	2,225,185
1994 Sakonnet Pipeline (1990 issue Refunded)		33,681	32,506	31,306	30,081	28,831	156,405
Subtotal	\$ 1,723,513	\$ 1,290,002	\$ 1,232,054	\$ 1,173,667	\$ 1,114,840		\$ 6,534,076
Average Debt Service	\$ 1,306,815	\$ 1,306,815	\$ 1,306,815	\$ 1,306,815	\$ 1,306,815	\$ 1,306,815	

Proposed Debt Service

State Revolving Fund (1)

Assumed Interest	3.75% Principal			\$133,093	\$133,093	\$133,093	
Assumed Term	20 Interest			\$144,825	\$144,825	\$144,825	
Total Amount Funded	3,862,000 Total			\$277,918	\$277,918	\$277,918	
Total Debt Service		\$ 1,723,513	\$ 1,290,002	\$ 1,509,972	\$ 1,451,585	\$ 1,392,758	

Capital Spending Account (2)

Budget Line Item

824	Meter Replacement Program	\$ 46,667	\$ 46,667	\$ 46,667	\$ 46,667	\$ 46,667	\$ 46,667	\$ 280,000
835	Lawton Valley HP Water Service	17,333	17,333	17,333	17,333	17,333	17,333	104,000
435	Lawton Valley Sedimentation Rehab	41,667	41,667	41,667	41,667	41,667	41,667	250,000
	Infrastructure Replacement Plan (IRP) Update	16,667	16,667	16,667	16,667	16,667	16,667	100,000
	GIS and Hydraulic Modeling	50,000	50,000	50,000	50,000	50,000	50,000	300,000
835	Water Infrastructure Improvements	891,667	891,667	891,667	891,667	891,667	891,667	5,350,000
835	Water Trench Restoration	51,667	51,667	51,667	51,667	51,667	51,667	310,000
835	Water Main Utility Bridge	21,667	21,667	21,667	21,667	21,667	21,667	130,000
835	Leak Detection Program	20,000	20,000	20,000	20,000	20,000	20,000	120,000
435	Lawton Valley Freight Elevator Replacement	21,667	21,667	21,667	21,667	21,667	21,667	130,000
435	Lawton Valley Raw Water Main	101,667	101,667	101,667	101,667	101,667	101,667	610,000
842	Fire Hydrant Replacement	41,333	41,333	41,333	41,333	41,333	41,333	248,000
	Reservoir Road Tank	6,667	6,667	6,667	6,667	6,667	6,667	40,000
	Pond Depth Survey	16,667	16,667	16,667	16,667	16,667	16,667	100,000
	Vulnerability Assessment	14,167	14,167	14,167	14,167	14,167	14,167	85,000
824	Vehicle Replacement (3)	47,167	47,167	47,167	47,167	47,167	47,167	283,000
		\$ 1,406,667	\$ 1,406,667	\$ 1,406,667	\$ 1,406,667	\$ 1,406,667	\$ 1,406,667	\$ 8,440,000

(1) Debt service payments not to begin until after construction ends. Payments projected to begin in FY 2005.

(2) An average annual cost for projects to be funded through the Capital Spending Account calculated for FY 2003 - FY 2008 in the calculation of rates.

(3) FY 2003 Vehicle Replacement equals the average of the total vehicle replacement cost identified by Newport Water Department for Fiscal Years 2004, 2005, and 2006.

Assumed to be funded through the Capital Spending Account.

Docket No. 3578

City of Newport, Rhode Island

Restricted Accounts per RIPUC Docket #2985

Revised Schedule RFC 12

	Fiscal Year Ending June 30					
	2003	2004	2005	2006	2007	2008
Debt Service Account						
Beginning Cash Balance	\$ 1,038,158	\$ 1,975,973	\$ 1,304,416	\$ 1,069,033	\$ 604,611	\$ 191,578
Additions						
From Water Rates						
Debt Service (1)		\$ 1,271,815	\$ 1,271,815	\$ 1,271,815	\$ 1,271,815	\$ 1,271,815
Payment to General Fund (1a)		250,000	250,000	250,000	250,000	250,000
Interest Income		30,141	32,804	23,734	16,736	7,962
Interest Rate		2%	2%	2%	2%	2%
Deductions						
Offset to Revenue Requirements						
Offset to CIP						
Existing Debt Service		1,723,513	1,290,002	1,232,054	1,173,667	1,114,840
Payment to General Fund		500,000	500,000	500,000	500,000	500,000
460 Debt Service Reserve						
SRF Loan Principal		-	-	133,093	133,093	133,093
SRF Loan Interest		-	-	144,825	144,825	144,825
465 UDAG Loan Principal						
466 UDAG Loan Interest						
Ending Cash Balance	\$ 1,975,973	\$ 1,304,416	\$ 1,069,033	\$ 604,611	\$ 191,578	\$ (171,402)
Capital Spending Account						
Beginning Cash Balance	\$ 1,659,618	\$ 2,473,692	\$ 1,317,106	\$ 381,267	\$ (110,083)	\$ (61,704)
Additions						
From Water Rates						
Average Capital Outlay (2)		\$ 941,667	\$ 941,667	\$ 941,667	\$ 941,667	\$ 941,667
Interest income		41,333	37,908	16,984	2,712	(1,718)
Interest Rate		2%	2%	2%	2%	2%
Deductions						
Offset to Revenue Requirements						
Offset to CIP						
Meter Replacement Program		\$ 45,000	\$ 45,000	\$ 50,000	\$ 50,000	\$ 50,000
Lawton Valley HP Service		84,000	-	-	-	-
Lawton Valley Sedimentation Rehab		250,000	-	-	-	-
Infrastructure Replacement Plan (IRP) Update		-	100,000	-	-	-
GIS and Hydraulic Modeling		-	200,000	100,000	-	-
Water Infrastructure Improvements		1,000,000	1,000,000	1,150,000	750,000	750,000
Lawton Valley Freight Elevator Replacement		-	-	-	-	-
Lawton Valley Raw Water Main		300,000	310,000	-	-	-
Fire Hydrant Replacement		41,000	41,000	41,000	41,000	41,000
Reservoir Road Tank		40,000	-	-	-	-
Pond Depth Survey		50,000	50,000	-	-	-
Vulnerability Assessment		85,000	-	-	-	-
Water Trench Restoration		50,000	50,000	50,000	55,000	55,000
Water Main Utility Bridge		-	-	-	-	-
Leak Detection Program		30,000	30,000	30,000	-	-
Vehicle Replacement		254,000	-	29,000	-	-
Balance with FY 2004 Budget (3)		(89,414)	89,414	-	-	-
Ending Cash Balance	\$ 2,473,692	\$ 1,317,106	\$ 381,267	\$ (110,083)	\$ (61,704)	\$ (17,756)
Chemical Allowance Account						
Beginning Cash Balance (4)	\$ 19,174	\$ 40,533	\$ 100,260	\$ 160,798	\$ 185,409	\$ 210,871
Additions						
From Water Rates						
335 Chemicals (5)		442,000	442,000	442,000	442,000	442,000
Interest Income		597	1,408	2,611	3,462	3,963
Interest Rate		2%	2%	2%	2%	2%
Deductions						
335 Chemicals		382,870	382,870	420,000	420,000	420,000
Ending Cash Balance	\$ 40,533	\$ 100,260	\$ 160,798	\$ 185,409	\$ 210,871	\$ 236,833

- (1) Debt service represents average debt service for FY 2004 through FY 2008. See Revised Schedule RFC 11, CIP, for detail less amount to be funded through debt service restricted account.
- (1a) Portion of "Payment to General Fund" to be funded through rates, the balance through the restricted debt service account.
- (2) Represents average capital outlay in CIP from FY 2003 through FY 2008. See Revised Schedule RFC 11, CIP, for detail less amount to be funded through capital spending restricted account.
- (3) Balance determined from difference between Capital Outlay in Rate Year and capital projects for FY 2004 in CIP.
- (4) Based on Chemical Restricted Account balance as of 6/30/02 and 6/30/03. Information provided by City.
- (5) Amount of funding for Chemical Allowance through commodity rates.

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC A

Navy Meters

Name	Account #	FY 2000												
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Annual
RI Nurseries (7/16/01)	#046-12700													
US Navy														
Greene Lane (6/19/01)	#089-01300						9,300	12,200	11,500	11,700	11,600	12,000	68,300	
Fort Adams (6/21/01)	#089-01400						1,410	1,602	1,746	1,349	1,460	1,654	9,221	
Lawton Valley (6/20/01)	#089-01500						4,154	3,579	3,627	4,010	3,784	3,619	22,773	
Coddington (1) (6/19/01)	#089-01700						10,699	9,256	1,329	9,412	9,873	9,416	49,984	
Hospital Gate 7 (8/1/00)	#089-01800						3	4	7	3	8	100	125	
Cloyne Park (1) (7/17/01)	#089-01900						6,173	7,146	3,856	6,326	7,099	8,154	38,754	
Newport Hospital (6/20/01)	#078-10600						169	169	169	169	169	169	1,015	
Coggeshall Marine - Bend Boat Basin (3/	#079-11908						138	318	231	57	155	339	1,238	
Hyatt Regency - Goat Island (10/20/00)	#078-13700						900	1,000	950	850	900	950	5,550	
IDC Inc. - Goat Island (11/15/00)	#078-13800						1,241	829	883	827	1,241	1,575	6,597	
Rogers High School (6/8/02)	#056-00600									442			442	
State of RI Ft. Adams (6/6/02)	#022-38410								464				464	
Earth Tech (6/7/02)	#055-02700									2,977			2,977	
Park Holm (1) (6/22/01)	#078-05000						1,372	1,039	1,624	1,503	1,331	1,641	8,510	
Howard Johnson/Kempenaar (6/6/02)	#079-03810						401	336	370	480	442	517	2,546	
The Wellington Hotel (6/5/02)	#078-00011						235	200	189	179	184	386	1,372	

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC A

Navy Meters

FY 2001

		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Annual
RI Nurseries (7/16/01)	#046-12700											100		
US Navy														
Greene Lane (6/19/01)	#089-01300	11,200	12,200	11,800	10,300	10,400	11,200	11,300	14,000	11,400	9,100	9,600	9,300	131,800
Fort Adams (6/21/01)	#089-01400	1,480	1,140	1,382	1,397	1,460	1,476	1,469	1,626	1,391	1,429	1,523	1,591	17,364
Lawton Valley (6/20/01)	#089-01500	3,624	3,622	3,792	4,200	3,700	3,703	3,763	3,844	3,824	3,795	3,666	3,417	44,951
Coddington (1) (6/19/01)	#089-01700	6,918	4,905	4,629	3,944	4,357	8,067	8,323	10,027	13,024	10,950	10,730	8,903	94,777
Hospital Gate 7 (8/1/00)	#089-01800	33	1	392	735	287	615	478	566	1,207	577	831	257	5,979
Cloyne Park (1) (7/17/01)	#089-01900	1,776	12,887	14,163	12,108	6,083	7,947	7,278	7,140	7,144	6,945	7,731	8,912	100,114
Newport Hospital (6/20/01)	#078-10600	169	169	169	169	169	169	169	169	169	169	169	169	2,031
Coggeshall Marine - Bend Boat Basin (3/	#079-11908	313	333	205	247	217	302	205	204	201	210	242	445	3,124
Hyatt Regency - Goat Island (10/20/00)	#078-13700	1,000	956	924	789	985	887	385	83	684	212	335	304	7,545
IDC Inc. - Goat Island (11/15/00)	#078-13800	1,842	2,634	2,045	2,130	2,231	1,309	694	1,087	477	782	1,248	1,024	17,503
Rogers High School (6/8/02)	#056-00600		389				599				784			1,772
State of RI Ft. Adams (6/6/02)	#022-38410	392				1,914				1,069				3,376
Earth Tech (6/7/02)	#055-02700		1,363				3,890				2,883			8,136
Park Holm (1) (6/22/01)	#078-05000	1,527	1,721	1,764	1,582	1,619	1,832	1,704	1,834	1,900	1,769	1,555	1,845	20,651
Howard Johnson/Kempenaar (6/6/02)	#079-03810	627	613	762	576	602	459	372	480	311	224	497	417	5,939
The Wellington Hotel (6/5/02)	#078-00011	382	643	777	524	330	261	125	218	140	179	295	356	4,230

(1) Two meters under these account numbers.

Docket No. 3578

City of Newport, Rhode Island

Revised Schedule RFC A

Navy Meters

		FY 2002												
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Annual
RI Nurseries (7/16/01)	#046-12700			392				568						
US Navy														
Greene Lane (6/19/01)	#089-01300	9,800	9,473	8,161	7,422	4,985	6,581	5,753	6,067	5,316	5,309	5,658	6,245	
Fort Adams (6/21/01)	#089-01400	1,616	1,172	1,484	1,792	1,361	1,986	181	2,137	1,806	1,741	1,679	1,833	
Lawton Valley (6/20/01)	#089-01500	3,348	99	13	7	40	187	193	239	8	5	6	10	
Coddington (1) (6/19/01)	#089-01700	6,467	4,548	5,466	5,302	4,842	10,029	9,874	11,764	10,189	9,367	9,646	9,697	
Hospital Gate 7 (8/1/00)	#089-01800	1,574	1,674	1,972	1,636	940	606	984	480	535	482	882	791	
Cloyne Park (1) (7/17/01)	#089-01900	10,979	11,053	11,625	12,749	7,504	7,378	6,692	6,550	6,672	6,197	6,895	7,389	
Newport Hospital (6/20/01)	#078-10600	169	87											
Coggeshall Marine - Bend Boat Basin (3/	#079-11908	448	372	391	389	226	297	123	43	56	57	102	344	
Hyatt Regency - Goat Island (10/20/00)	#078-13700	545	644	970	359	435	298	93	160	91	107	111	157	
IDC Inc. - Goat Island (11/15/00)	#078-13800	1,564	1,613	2,082	1,232	981	809	138	900	874	537	623	990	
Rogers High School (6/8/02)	#056-00600		1,185				2,834				549			
State of RI Ft. Adams (6/6/02)	#022-38410	814				2,210				978				
Earth Tech (6/7/02)	#055-02700		1,945				1,775				1,729			
Park Holm (1) (6/22/01)	#078-05000	1,516	2,006	2,556	225	2,288	1,877	1,919	2,475	1,874	2,192	1,767	1,979	
Howard Johnson/Kempenaar (6/6/02)	#079-03810	481	552	631	468	509	288	191	237	190	293	290	430	4,559
The Wellington Hotel (6/5/02)	#078-00011	510	689	694	661	305	254	133	221	206	192	322	392	